



# This is the New Norelco Speedshaver the largest-selling electric shaver in the world!

Why pinch off whiskers when you can stroke them off with Norelco's rotary blades?

New velvet-touch luxury! While it's razorblade close, Norelco is the easiest on your face. The new contour skin-stretcher rim holds whiskers erect for skin-close shaves. New stroke of genius! Shown here in "Xray" view beneath slotted, stationary skin guards are Norelco's rotary blades. They stroke off whiskers whichever way they grow.

New push-button cleaning! Easiest ever! Push the button and flip-top head springs open to empty out "whisker-dust." Entire head easily removed for thorough cleaning.



#### Why more men choose the new Norelco Speedshaver for themselves

Your face never looked so clean, yet felt so good. And what an easy shaver to live with: you never have to oil it or sharpen the blades. Quietest of all leading shavers, too. And what a value! AC/DC. Complete with handsome traveling case, \$24.95.

Also: Norelco Sportsman, runs on flashlight batteries or car lighter, \$24.95. For the Ladies: new Norelco Debutante, \$14.95, or deluxe double-header Lady Norelco, \$24.95. Both AC/DC.

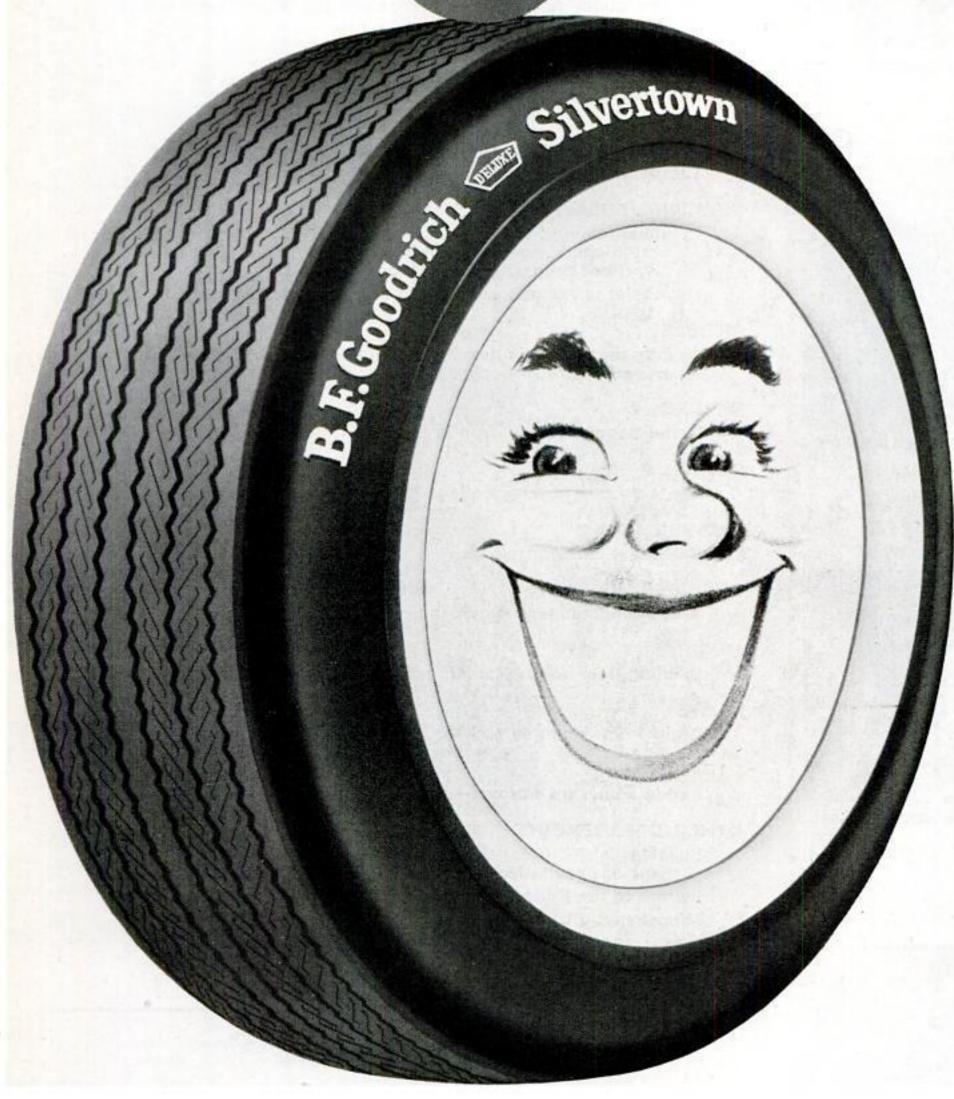




Norelco is known as Philishave in Canada and throughout the rest of the free world. North American Philips Company, Inc., 100 East 42nd Street, New York 17, N. Y. Other products: Radios, Radio-phonographs, Tape Recorders, Dictating Machines, Medical X-ray Equipment, Electronic Tubes and Devices.

B.F. Goodrich

# Smileage.

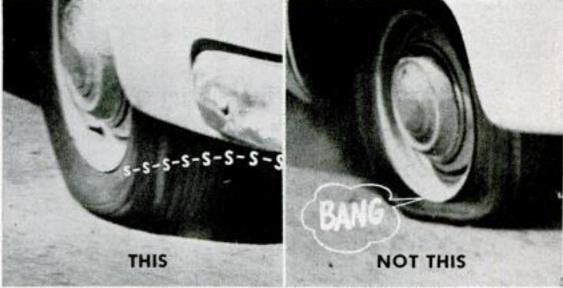


SMILEAGE MEANS TIREQUALITY YOU CAN COUNT ON
-AND HERE'S WHY...

B.F. Goodrich silvertown tires



YOU CAN COUNT ON SAFER STOPS. B.F.Goodrich Silvertowns have scientifically-placed kerfs—hundreds of road-gripping slots in the tread ribs. In the tire test above, both cars braked at the same time. Worn tires on the black car couldn't grab hold on the slick pavement. But Silvertowns stopped the white car on the safe side of the glass barrier.



YOU CAN COUNT ON BRUISE-BLOWOUT PROTECTION. Every B.F.Goodrich Tubeless Silvertown has a patented inner liner. If a rock or chuckhole should damage the tire sidewall—a slim chance with B.F.Goodrich Silvertowns!—this liner permits only a pin-hole leak. Instead of a blowout you get only a safe s-s-s-slowout... and pull off the road with your car under control.



YOU CAN COUNT ON YOUR B.F.GOODRICH DEALER to help you select the right tires—whether they're B.F.Goodrich Safety-S (\$12.95\*), Deluxe Silvertowns, the new-car tire (\$25.50\*) or puncture-sealing, premium Life-Saver Silvertowns (\$43.95\*). If winter's coming where you live, check Trailmaker Silvertowns (\$25.75\*). Smileage dealers are in the Yellow Pages. B.F.Goodrich Tire Co., A Division of The B.F.Goodrich Company.

\*6.70-15 size. All prices plus tax and retreadable tire. Other sizes proportionately low-priced. The tires on your car may be more than enough to cover the down payment.

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REG. U.S. PAT. OFF.

## A tragedy of segregation

Their high schools closed by the integration deadlock, members of the class of 1959 in Little Rock and Virginia get patchwork schooling or none, unhappily waste their idle days away.



SEGREGATED LOAFERS

### Author of 400 novels

In his vagabond career Georges Simenon has written 400 novels. His best books-many of them about Inspector Maigret-are highly regarded, and most were written in only 11 days.



GEORGES SIMENON

## Bizarre beauty in Brazil

Moths that look like spiders, bugs with legs like purple leaves-these and other insects fill the fecund forests of Brazil with strange beauty. Part III of Darwin's World of Nature.



BRAZILIAN WASP

## Help from old humbug

From a long history of harm and humbug, hypnosis emerges as a trusted medical tool. LIFE's essay describes the amazing things hypnosis can doand warns of things it cannot do.



BIRTH UNDER HYPNOSIS

**75** 

## Rich Mr. Khan of Harvard

A personable young man who has come into huge wealth and responsibility returns to Harvard, where he is a modest, hard-working senior. His professors call him Mr. Khan.



MR. KHAN

#### COVER

Wearing blazer of his old Swiss prep school, Harvard senior Aga Khan IV stands smiling in a friend's garden in Cambridge Mass. (see pp. 75-78)

South's closed schools bring dreary, wasted days: the lost

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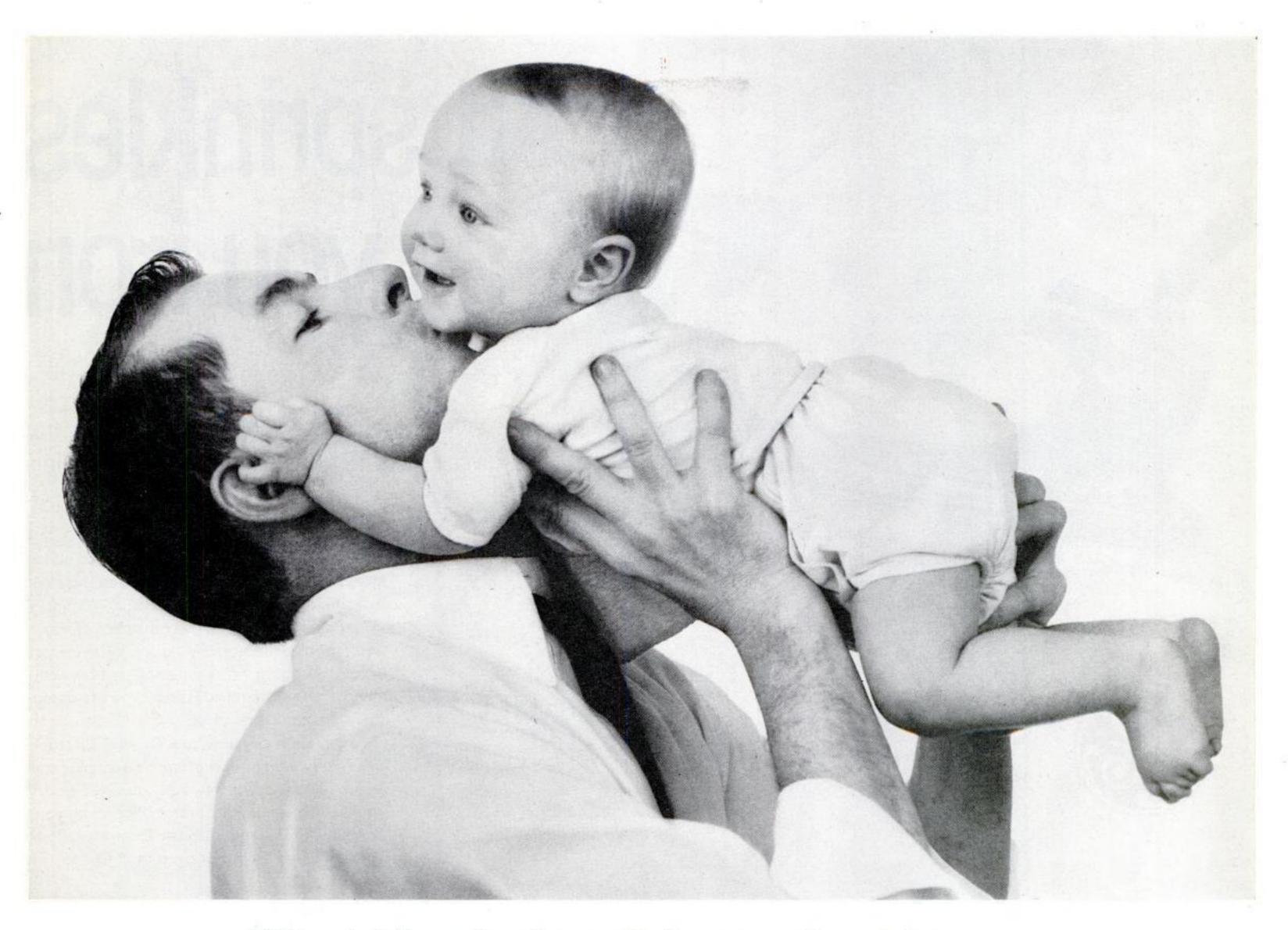
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90

127

135



# What Margie doesn't know about her pa

His name is Tom. And what Margie doesn't know is this:

One day, when Tom was single, his boss gave him a bouncing raise. And Tom took thought.

Why dribble this lovely money away, went the thought. If I add the raise each week to my savings, pretty soon I'll be able to buy some stock in some good company listed on the New York Stock Exchange. And I should begin getting an extra income from dividends.

So Tom bought the stock. And before long a check popped up in his mail. It was a dividend. And so far, every three months he's been receiving a check for another dividend. A second income. Just like the income millions of other shareholders receive.

#### Heady stuff

It wasn't a big extra income. But it was heady stuff. And Tom thought he knew how to make it grow. Save the dividends, put them with other savings and acquire more stock.

Now Tom has an income of just under \$50 a month from dividends. And back they go into the purchase of more good common stock to get more dividends.

Some of the stocks Tom has bought are better than others. He knows that stock prices go down as well

as up, that a company may not pay a dividend. He was told to invest only money left over after bills were paid and emergencies provided for, that an investor should get facts—never depend on tips or rumors. And he should get good advice from a Member Firm of the New York Stock Exchange.

#### **Excellent booklet**

Tom uses a booklet thousands of other investors use. It lists more than 300 stocks on the New York Stock Exchange that have paid a cash dividend every year from 25 to more than 100 years. It's called "DIVIDENDS OVER THE YEARS." We sent it to him free.

If Tom's family should need a little extra cash, dividends may provide it. If they need a lot, Tom can, under ordinary circumstances, convert his stock quickly into cash. Or borrow at a bank, using his stock as collateral. He likes to think that when Margie is ready for college, dividends can help pay her expenses. And that when he wants to retire, dividends may make him more comfortable the rest of his life.

Just the other day, Tom bought a share of stock for Margie herself, because there's a new law in his state that makes it easier to give stock to children.

#### OWN YOUR SHARE OF AMERICAN BUSINESS

# Members New York Stock Exchange

For offices of Members nearest you, look under New York Stock Exchange in the stock broker section of your classified telephone directory

That's Margie's pa. Nice going, Margie. You chose well.

#### How about you?

Have you thought about your opportunity to own common stock? Why not see how investing might fit in with your plans. Start right now by sending the coupon for your free copy of "DIVIDENDS OVER THE YEARS." Then, as soon as possible, get acquainted with a Registered Representative or Partner in a Member Firm of the New York Stock Exchange. He'll be glad to see you and to advise you at no cost. He'll help you buy or sell. Ask him about bonds and preferred stock, too. And from time to time ask him to review your holdings with you. Make sure, of course, that his firm is a Member of the New York Stock Exchange.

Now for the coupon . . .

Send for free booklet. Mail to your local Member Firm of the Stock Exchange, or to the New York Stock Exchange, Dept. 8-V, P. O. Box 252, New York 5, N. Y.

Please send me, free, "DIVIDENDS OVER THE YEARS, a basic guide for common stock investment."

Address	



It sprinkles as you iron

New General Electric Spray, Steam & Dry Iron gives you a "PLUS"... a built-in sprinkler!

Steam alone can't do the job! You need added moisture! And that's what this iron supplies. It sprinkles for you—as you iron!

Just press the button. Tiny droplets of warm water sprinkle the fabric. Make knife-like creases —erase stubborn wrinkles—even on heavy cottons, linens and starched fabrics. You pre-dampen only your largest pieces.

It's a Steam & Dry Iron, too. General Electric's Even-Flow steam is continuous—penetrates deeper—lets you iron smoothly, easily. For dry ironing, just press the button. See it at your dealer's soon. General Electric Company, Portable Appliance Dept., Bridgeport 2, Conn.

# There's always a PLUS in General Electric!



It's a toaster!

PUS a warming "oven", too!

General Electric Toast-R-Oven\* toasts 2 slices to your exact "shade." Keeps six more slices warm in "oven" below. Perfect, too, for warming pastry . . . muffins . . . toasting melted cheese sandwiches.

\*Trade-mark of General Electric Company



Brews delicious coffee!

PLUS reheats without reperking!

General Electric Automatic Coffee Maker brews 2 to 9 cups perfectly. Just select strength, set control. Coffee brews . . . stops perking . . . stays hot. A special setting lets you reheat without reperking.



Does any mixing job!

PLUS weighs less than 3 pounds!

General Electric Portable Mixer is powerful enough for the heaviest cake batter—gentle enough for the most delicate sauces. Has convenient heel rest; easyto-use beater ejector; removable cord.

Progress Is Our Most Important Product

GENERAL ELECTRIC

A MESSAGE FROM
Dr. J. Chapman Bradley

"You probably know—and perhaps have envied—people who never seem at a loss for words. In business, they always seem able to express opinions in words that carry weight and build a reputation for sound judgment.

WHEN YOU TALK ... DO PEOPLE LISTEN?

At social affairs, they talk easily and entertainingly whether the conversation turns to politics, golf, science, baseball, world affairs, or children. And whenever they talk, people listen.

"Why? What do they have that makes them both interesting and impressive?

The answer is something we can all acquire --broad knowledge -- and the quickest, surest, easiest way of adding to your knowledge is by having a set of the Encyclopaedia Britannica in your home. For almost 200 years, the Encyclopaedia Britannica has been recognized as the greatest treasure of

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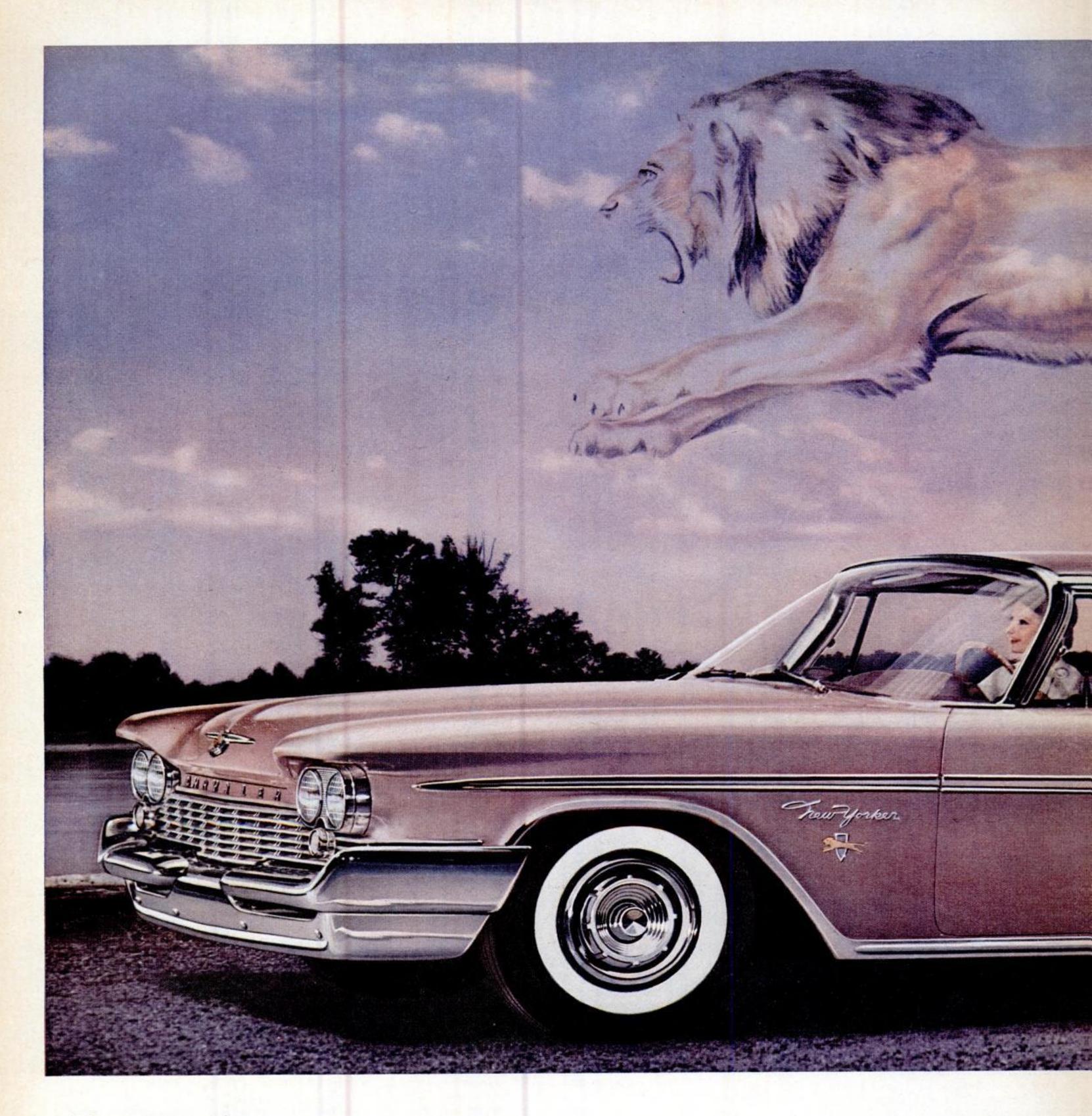


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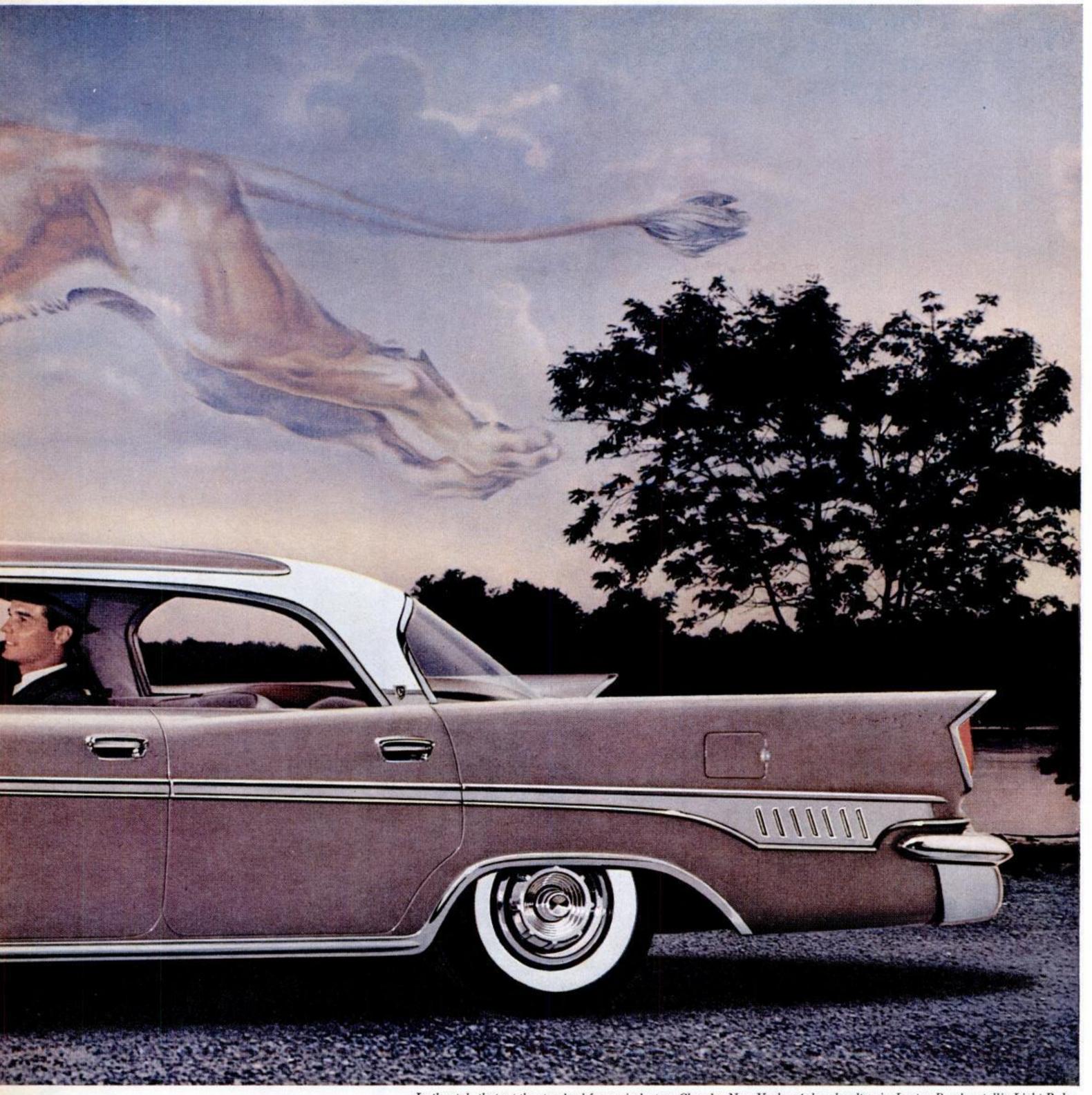
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Presenting...

# NEW CHRYSLER 59

the lion-hearted car that's every inch a new adventure



In the style that set the standard for an industry: Chrysler New Yorker 4-door hardtop in Lustre-Bond metallic Light Ruby

Your new setting for adventure...Chrysler '59. It's every inch a new and different car!

From regal grille to channeled roof to gently rising fins there's newness in every line. This Chrysler's mood is motion!

Answer that impulse to get in and go. Chrysler's Swivel Seat, available in '59, ushers you inside. Around you, exciting fabrics, generous head and legroom, wide tempered safety glass windows.

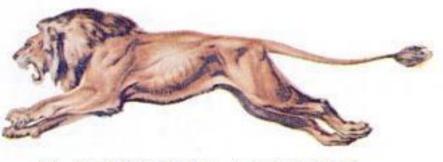
You feel new excitement grow at your fingertips as Chrysler's all-new Golden Lion engine murmurs its might. This swift and efficient engine puts out more power per pound, more torque per pound, than

any Chrysler engine in history! It eats up the miles . . . eases up on gas.

Now, just push a button and give this lion-hearted new beauty its head!

Snarling town traffic is easily tamed in this cat-quick Chrysler. But a highway really highlights its virtues. Newly available True-Level Torsion-Aire suspension easily banishes bumps. Auto-Pilot, Chrysler's optional drive assist, warns if you go too fast...holds your speed...lets your right foot rest.

Yes, driving's adventurous again! Your Chrysler dealer has 15 new models in a wide price range. Drive one soon.



LION-HEARTED
CHRYSLER '59



# FOR THE BEST REST A BACK AND BODY EVER HAD -THE ALL-NEW BEAUTYREST!

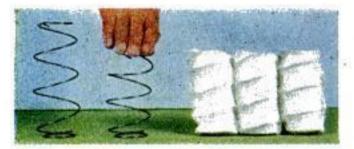
New comfort! New buoyant firmness! And here's why Beautyrest actually costs least to own:

The world's finest mattress has been made finer, firmer! Power-packed springs add 12% more buoyant firmness to the all-new Beautyrest®

Greater comfort and proven to cost less, too. In tests at the United States Testing Co., Beautyrest lasted three times longer than the next best mattress. So the best costs the least.

Choice of firmness! Beautyrest now meets all normal firmness requirements. There's the Extra-Firm Beautyrest for those who need added support. Each only \$79.50. Look for the double-stitched border. Only Beautyrest has it! Matching boxspring also \$79.50.

Only \$7.95 down delivers the all-new Beautyrest and thousands of nights of healthful rest!



New Beautyrest springs are powerpacked by compressing each into separate pockets. Adds 12% more buoyant firmness than ever before.

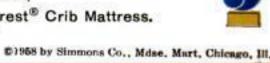


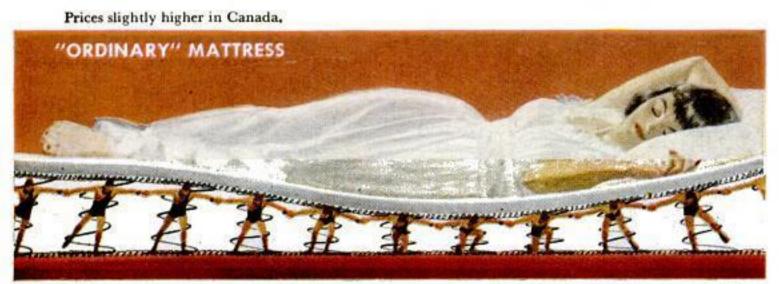
Beautyrest alone has separate springs.

No rolling together. Heaviest husband cannot disturb his wife's rest.

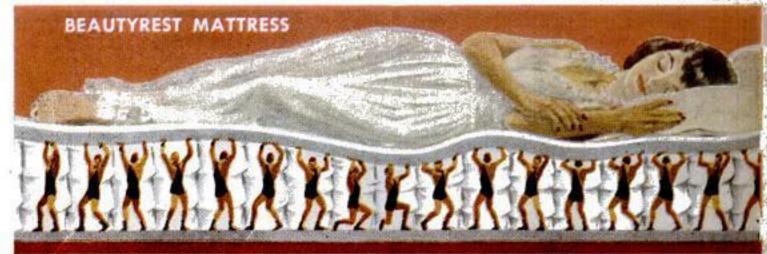
## BEAUTYREST by SIMMONS

Makers of famous Hide-A-Bed® Sofa, new Back Care® Mattress and new Baby Beautyrest® Crib Mattress.





An ordinary mattress has about 200-300 springs. Wired together, they sag together. Not free to push up and correctly support the shape of your body. "Sag support" is bad for your back, comfort, and rest.



New Beautyrest mattress has over 800 separate springs. Like little "strong men," each spring is power-packed and free to push back and support your whole body. Best for your comfort, your back, your rest.

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# THESE FIVE OR ANY FIVE OF THE 24 ALBUMS DESCRIBED BELOW FOR ONLY\$398 [RETAIL VALUE AS HIGH AS \$24.90]

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RCA VICTOR

PERRY COMO: WE GET LETTERS

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CHECK THE F	IVE ALBUMS YOU WANT.	DO NOT DETACH FROM	THE COUPON	
☐ WE GET LETTERS Perry Como sings 12 standards: S'posin', 'Deed I Do, etc. ☐ BELAFONTE Scarlet Rib- bons, Matilda, Waterboy, 8 more. Folk songs, ballads, spirituals, calypsos. ☐ FRANKIE CARLE'S SWEET-	MARIO LANZA—STUDENT PRINCE Hits from Romberg's operetta, plus Lehar, Rodgers gems, etc. 14 favorites by the exciting tenor.  BING WITH A BEAT A Crosby jazz lark with Bob Scobey's Dixielanders, Whispering, Exactly Like You,	MUSIC FOR DINING Melachrino Strings in hi-fi mood music. Tenderly, Sep- tember Song, Charmaine, etc.  TOMMY DORSEY: YES IN- DEED! Original recordings of Marie, Boogie Woogie, Star Dust, etc. Sinatra, Berigan, Stafford.	THE EYES OF LOVE Hugo Winterhalter's lush orchestra in 12 standards: Smoke Gets in Your Eyes, I Only Have Eyes for You, etc.  THINKING OF YOU Eddie Fisher's top 12 all-time hits: Oh! My Pa-Pa, Wish You Were Here, etc.	THE RCA VICTOR POPULAR ALBUM CLUB  c/o Book-of-the-Month Club, Inc., 345 Hudson Street, New York 14, N. Y.  Please register me as a member of The RCA VICTOR Popular Album Club and send me the five albums I have checked at left, for which I will pay \$3.98, plus a small postage and handling charge. I agree to buy five other albums offered by the Club within the next twelve months, for each of which I will be billed at the nationally advertised price: usually \$3.98, at times \$4.98 (plus postage and handling charge). Thereafter, I need buy only four such albums in any twelve-
rhythm, on 12 "girl" songs: Nola, Laura, Cecilia, etc.  NEW GLENN MILLER OR- CHESTRA IN HI FI Ray Mc- Kinley, new Miller-styled	10 more old-time evergreens.  TOWN HALL CONCERT PLUS Louis Armstrong collector's item, with Teagarden, Bi- gard, Hodges, Hackett, etc.	☐ BOUQUET OF BLUES Dinah Shore torch songs. Blues in the Night, St. Louis Blues, 10 others. ☐ SWEET SEVENTEEN Ames Brothers sing 12 standards.	MOONGLOW Artie Shaw. 12 all-time hits from '38 to '43. Begin the Beguine, Frenesi, Star Dust, Nightmare, etc.  DUKE ELLINGTON: IN A	month period to maintain membership. I may cancel my membership any time after buying five albums from the Club (in addition to those included in this introductory offer). After my fifth purchase, if I continue, for every two albums I buy I may choose a third album free.  Name
Lullaby of Birdland, On the Street Where You Live. 12 dance items.  BRASS & PERCUSSION Morton Gould Symphonic	LET'S DANCE WITH THE THREE SUNS Forty show tunes, standards in "society" dance medleys.	Little White Lies, I Don't Know Why, For Sentimental Reasons, etc.  LET'S CHA CHA WITH PUENTE Urgently rhythmic	MELLOTONE Take the "A" Train, I Got It Bad, Perdido. 16 gems from the Duke's golden era.  VICTORY AT SEA Richard	Address City_ Zone State
Band, hi-fi showpiece. 17 marches, with 8 of John Philip Sousa's best. Others by Goldman, Gould.	SOUTH PACIFIC Original movie sound-track recording of Rodgers - Hammerstein score. New, in highest fi!	Latin dance fare in the modern, preferred big-band style.	Rodgers' stirring music for the NBC-TV program, with NBC Symphony Orch.	NOTE: If you wish to enroll through an authorized RCA VICTOR dealer, please fill in here:  Dealer's Name
way cast, starring Lena Horne. Complete Arlen-Har- burg hit score.	GETHER Fiedler, Boston Pops, light classics: Ravel's Bolero, Clair de Lune, etc.	sings and swings torch songs: We Three, The House Is Haunted, It's a Lonesome Old Town, etc.	lights from Gershwin's classic. All-star cast featur- ing Risë Stevens, Robert Merrill.	Address





GAGGED CAPTIVES form bronze macehead. Finger placed on chin may indicate men were sacrificial victims.

# Candid Artists in Old Africa

# NEWLY FOUND ANCIENT SCULPTURES ARE SHOWN, IN U.S. FOR FIRST TIME

Eight hundred years ago, in what is now Nigeria, the artists of the Yoruba tribe turned out an astonishing visual record of the life and people of their time. In delicate terra cotta (left) they caught the haughtiness of an aristocrat, in cast bronze the anguish of captives. They even depicted their king and queen (right) with sprightly intimacy, arm in arm—and also leg in leg. Such candid portraiture was remarkable in Africa, where most primitive art avoided realism. Whether the Yorubas invented their reportorial technique or learned it through contact with realistic Mediterranean art remains a mystery. Recently 18 unique Yoruba pieces were unearthed by British art historians Bernard Fagg and Frank Willett at Ife, Nigeria, where, centuries ago, they decorated sacrificial shrines. This week they go on exhibit at New York's Museum of Primitive Art.



DOOMED MAN, a close-up of one on the mace above, has roped mouth.

◆ALOOF BEAUTY of queen is shown in terra cotta. Head, 10¼ inches high, once was painted red.



ROYAL PAIR, a bronze 1114 inches high (above and below), is shown with arms linked, legs oddly interlocked. Plasticine replaces chief's missing face.

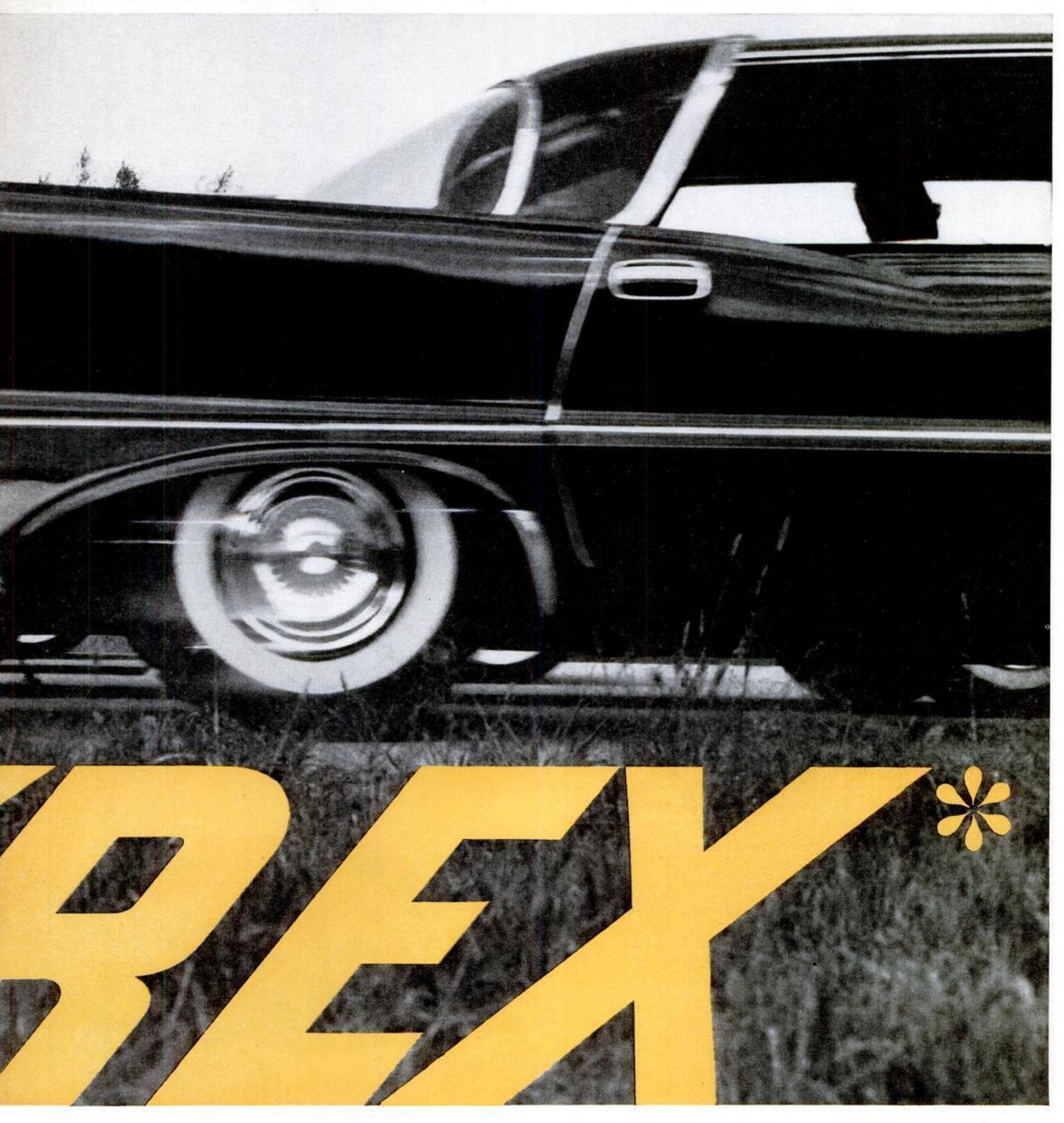


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# LETTERS TO THE EDITORS

#### QUEMOY LIVING

Sirs:

I have seen other tragic war pictures, but none has ever shown the horror of war more clearly than the Quemoy hospital photograph on page 29 of the old, resigned man and the mutilated, beautiful-faced little boy ("What Quemoy Living Is Like," LIFE, Oct. 13).

LAURA GILBERT FLYTHE

Pensacola, Fla.

Sirs:

May God have mercy on the ones responsible for maiming this little boy. The boy had nothing to do with the whole mess. Is there anything I can do to help the poor little fellow?

G. C. Elliott

Birmingham, Ala.

Sirs:

Upon reading last week's LIFE, I paid special attention to the sad and tragic picture of the little, innocent Quemoy child without his right arm. How horrible and heartbreaking. I wondered if there was any organization helping him and others like him.

Douglas Foster

Los Angeles, Calif.

● Contributions can be sent to the Free China Relief Association, c/o Bank of China, 40 Wall Street, New York 5, N.Y.—ED.

#### MONTGOMERY: PART I

Sirs:

Field Marshal Montgomery wrote his memoirs as if he were the sole brain behind the winning of World War II ("Montgomery's Desert Daring," LIFE, Oct. 13), in Africa and in Europe.

He apparently forgot about the countless thousands of men, on both sides, that were fighting and getting themselves killed.

He may have been and may still be a great man and a great general, but he wasn't and isn't that great.

JAMES G. RECKER

Appleton, Wis.

Sirs:

Monty isn't a shrinking violet; he's unshrinkable. His delightfully forthright memoirs make it clear he doesn't intend to be known as an Unknown Soldier. Or as a general who merely generalizes.

ARTHUR ROBINSON

Volcano, Calif.

Sirs:

Something Viscount Montgomery said is very applicable to the current Quemoy situation: "It is dangerous to undertake tasks which are militarily quite unsound just for political reasons. It may sometimes be necessary, but they will generally end in disaster."

KENNETH C. SHINDLER

Montreal, Que., Canada

Sirs:

You say that General Montgomery's 50 years service as an officer is the longest on record in the British army. I believe Sir Colin Campbell, Lord Clyde, has a longer record.

JOHN SCOTT McLELLAN

Belt, Mont.

• Lord Clyde served in the British army for 55 years. Commissioned at the age of 16, he fought under Wellington in the Peninsular War and saw action later in China, the Crimea and India. He was commander in chief during the Indian Mutiny of 1857. At the time of his death he was a field marshal.—ED.

#### TIKAL

Sirs:

Compliments on the article on Tikal ("Secret of the Rain Forest," Life, Oct. 13). So few people realize that a civilization capable of erecting these magnificent temples ever existed on our own continent.

Archaeology is a hobby for me and my wife so we visited Tikal in 1956. While there, we were told that water was scarce and rainwater had to be collected in 50-gallon drums. Could you please explain how they now obtain sufficient quantities of water for a large working crew?

H. C. LAUDON

Albertson, N.Y.

• Drinking water is flown to Tikal in bottles from Guatemala City. Wash water is collected in rain catchments built 1,300 years ago by the Maya. A handy source for men at work is the lianas which can be chopped in such a way as to yield a refreshing drink (below).—ED.



JUNGLE WATER FOUNTAIN

TOP-RIDING TEAM

Sirs:

I was very interested in reading about General Motors' "boy wonder," Frederic Donner ("New Top-riding

CONTINUED

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# LETTERS TO THE EDITORS CONTINUED

Team at GM," LIFE, Oct. 13). Having been one of the first girls he dated, I remember the small lecture he gave me during dinner one night in South Bend, Ind. It was about "living on what you make." My sincere congratulations to him, and I'm sure he finds no trouble in living on what he makes.

MARIE P. CLAUS

South Orange, N.J.

#### THE AWAKENING YEARS

Sirs:

I most especially enjoyed your photographic essay, "The Awakening Years When the World Is Young" (Life, Oct. 13). An extremely interesting article.

MRS. ARTHUR G. SWEET Thornton, Colo.

Sirs:

When I saw my three children (ages 9, 6 and 21/2) huddled over the pictures and overheard them interpreting the activities of the children in the pictures, I realized there was something that appealed to each age level.

Jeanette S. Anderson Quincy, Ill.

#### TOP CADET

Sirs:

As an ex-West Point cadet who was discharged for academic deficiency, I would like to express my appreciation for your fine article on Pete Dawkins ("Four Top Cadets in One," LIFE, Oct. 13).

I hope that Dawkins chooses to be commissioned in the Air Force when he graduates next June.

AIRMAN 2/c WILLIAM KINGSBURY JR. Webb Air Force Base, Texas

Sirs:

The destiny of the human race is, in large part, determined by the direction in which the energies of such fine young men as Peter Dawkins are channeled. What a pity that Yale missed out on him, and all that intelligence, energy and personal ambition are being aimed at the pursuit of war instead of peace.

BETH CAMPBELL

Vernon Center, N.Y.

Sirs:

I was appalled at your reference to Pete's dad as "Henry Dawkins, a dentist in Detroit."

Lieut. Colonel Henry E. Dawkins, USAFR, is a veteran of more than 20

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years' service, first in the Army Reserve, then as a dental officer on active duty during World War II in the Army Air Force and postwar duty in the Air Force Reserve. He has served as commander of the 9604th Reserve Squadron. Both father and son are serving their country and I think this worthy of mention.

DAVID E. LITTLER

Detroit, Mich.

Sirs:

You might be interested in our triple-threat man, Richard Andre ("Buzz") Dubbs, age 10, who is entering his fifth year at the Palo Alto Military Academy.

Last June he was top man scholastically in the entire school. In four years he has acquired a total of eight medals (two distinctive honor, three scholastic, two general excellence, one drill-down). He took up the trumpet in January and made the band by May; is star quarterback on the football team, equestrian with three ribbons to his credit, and does 60 laps of the pool without a breather!

Interesting child, but exhausting to live with.

Mrs. Andre Dubbs

Atherton, Calif.



TRIPLE-THREAT BUZZ DUBBS

#### SOPHIA GETS HER MAN

Sirs:

Cary Grant is a peerless performer and possessed with more than a modicum of intelligence ("Gay Sophia Gets Her Man," LIFE, Oct. 13). I am alarmed, therefore, to discover that someone has euchred him into painting a wall in a way that even the rankest of amateur houseboat painters would know is foolish. A wall should be painted from the top down. I know this and I am no painter; I'm a motion picture director.

JASON LINDSEY

Hollywood, Calif.

#### A BURDEN OF BEAST

Sirs: The picture of the legionnaire carrving the little starving donkey on his back is the most heart-warming picture I have ever seen ("A Burden of Beast," LIFE, Oct. 13). It brings a lump to your throat to know there are kind and merciful people who will lend a helping hand to someone in need, be it human or animal. There will be those who think it is only a humorous picture. I hope they will be in the minority.

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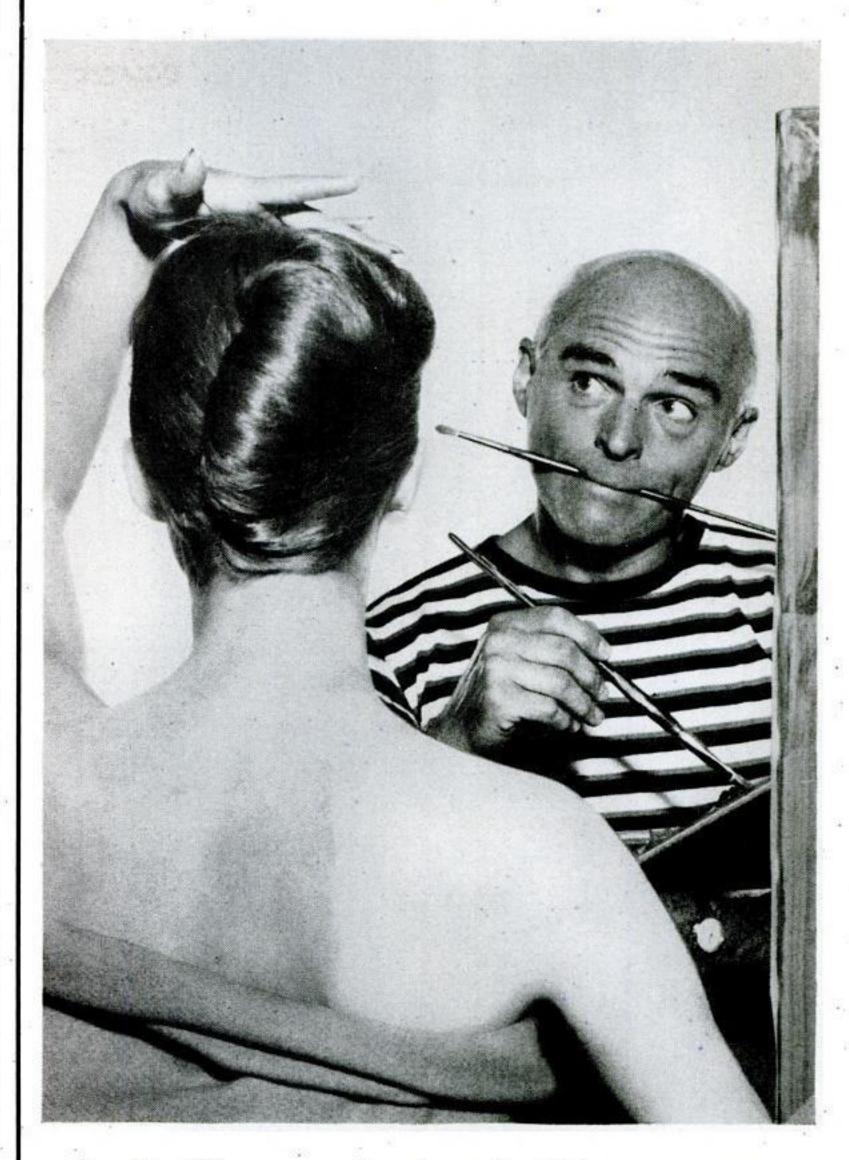
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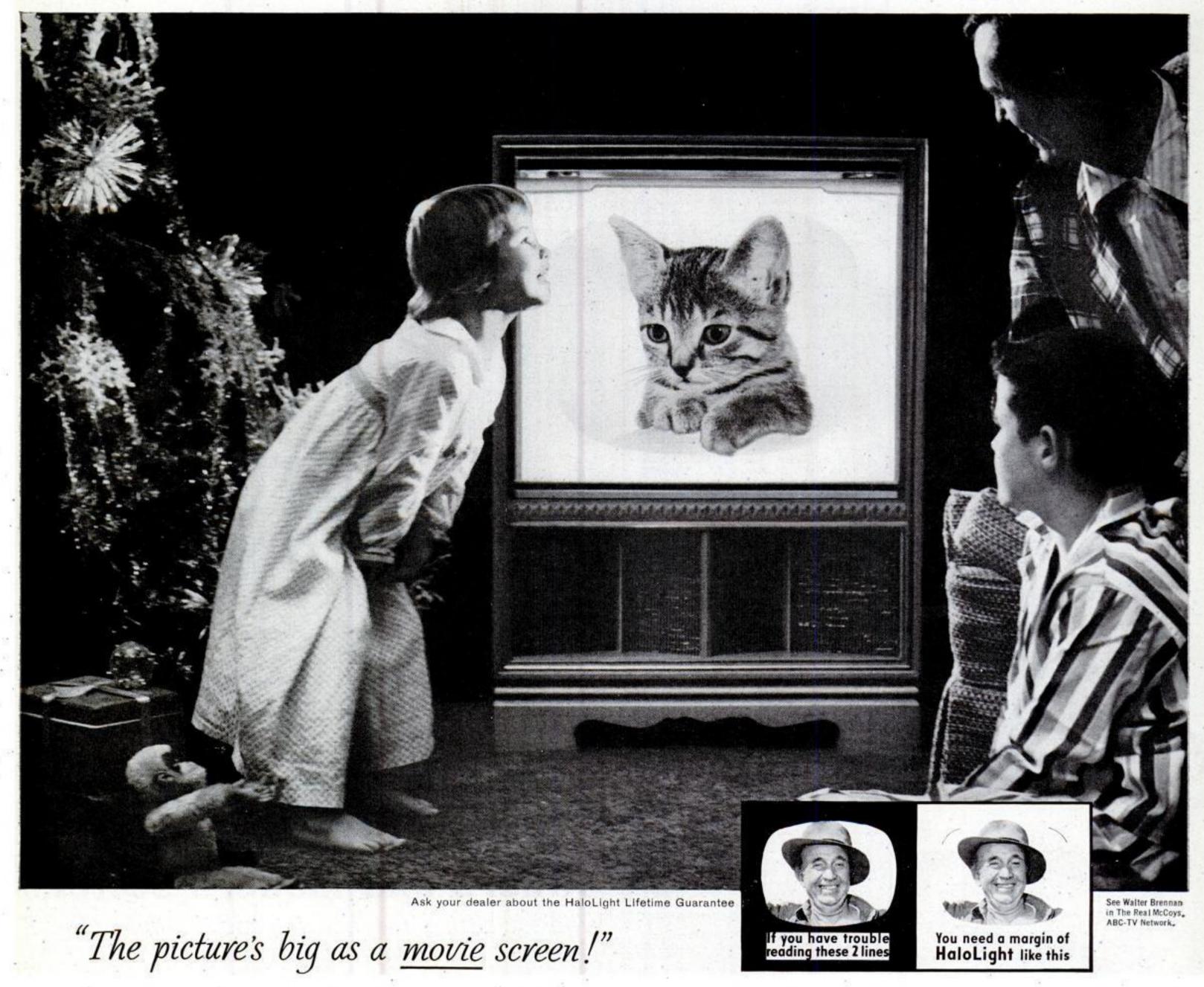
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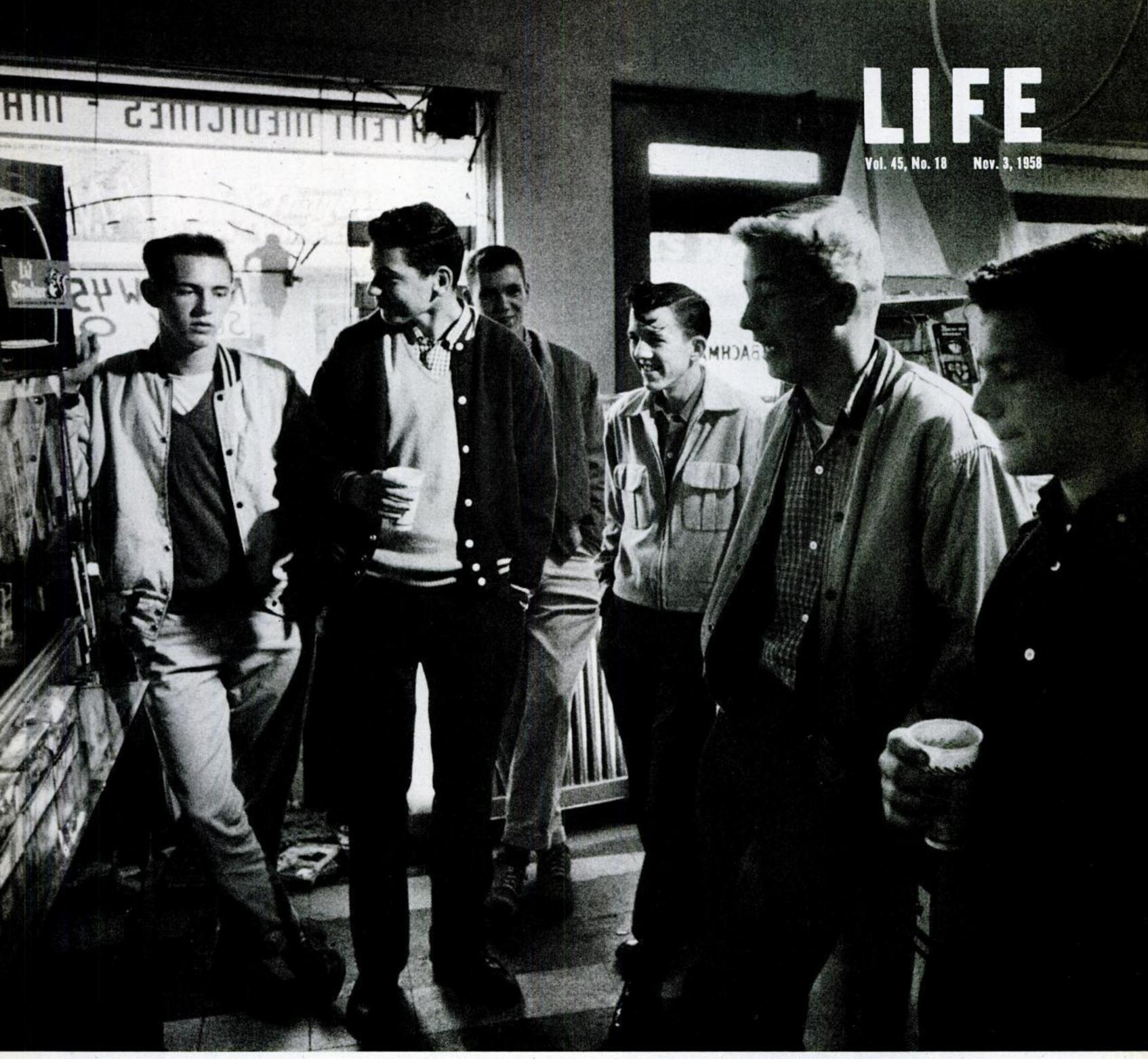
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IDLE AND BORED, BOYS FROM NORFOLK GET THROUGH A SLOW AFTERNOON WITH POP, SMALL TALK, JUKEBOX IN A DRUGSTORE NEAR NORVIEW HIGH CAMPUS

# SOUTH'S CLOSED SCHOOLS BRING DREARY, WASTED DAYS THE LOST CLASS OF 1959

These should have been the great years of their young lives—class proms, school spirit, shared griping over homework, the real if rare moments when learning becomes exciting. Instead, for the boys above—and thousands of other southern students—the year has become largely a dreary succession of empty days spent making small talk in hangouts near schools now closed because of the integration conflict. Most are getting stopgap, patchwork schooling, but for almost all the recurring question is

still "What'll we do now?" Odd jobs are hard to come by and, all the time, there is an over-whelming awareness of time wasted. The condition of their lives is boredom—and a rising cynicism at the way their elders have loused things up. "I spent three years looking forward to being a senior," one boy in Norfolk said. "Now I can't even go to my school."

There were nearly 13,000 students hit by closings in Virginia and 3,700 more in Little Rock, all passive victims in a national tragedy.

The continuing stalemate between federal law and state defiance over school desegregation was destroying the high school class of '59 and afflicting the classes that follow.

At that, the Norfolk boys shown above are lucky. Some get group tutoring from high school teachers each morning in a makeshift arrangement which, however, will soon end. The scramble for some kind of learning would go on as the lost class of '59 watched precious time it can never replace slip wastefully by.

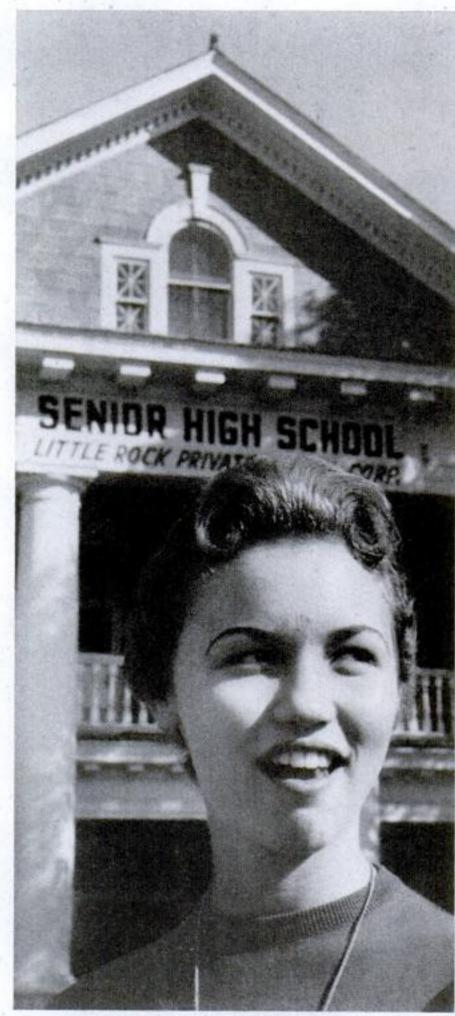


JOINING BAND at high school she now attends in Hazen, Ark., Sarah Wilson (*left*), from closed Central High in Little Rock, stands in reed section.



HOME AWAY FROM HOME for Annette Jackson and Linda Stephenson of Little Rock, now at Hazen High, is residence of Hazen Banker J. J. Screeton.

#### LOST CLASS CONTINUED



AT PRIVATE SCHOOL formed by pro-Faubus group, Sammie Dean Parker, who had fled Central High when Negroes entered, says, "It's wonderful!"

# FOR LITTLE ROCK, LEAVE OR SUFFER

The full measure of the mess in Little Rock is that no one can say for sure how many of the 3,698 members of '59, '60 or '61 were getting any education or how much or what quality, or where. Not one of Little Rock's four public high schools has held an hour of classes all fall. For pupils and parents it has meant a frantic and demoralizing scramble for substitutes.

Last week Little Rock Private School, set up by the corporation conceived by Orval Faubus, opened for seniors only. But even the governor admits that the school, now privately supported, will not keep open indefinitely without state aid—which it probably cannot legally get. Only half the expected 500 students showed up.

Another 485 students enrolled at the high school that had been organized by the Baptist churches. Some 400 others take correspondence courses from the university. But at best the kids who stayed in Little Rock had a limited curriculum, often cramped classrooms, inadequate laboratory facilities and teachers who were as unsettled as they. Many—perhaps hundreds—have gone off to private schools or to live in other cities and states. But that still left as many as 1,400 more, and they, as far as anyone knew, were getting no schooling at all.



ACCEPTED BY COLLEGE on the basis of records, three students from Hall High cross the campus as freshmen at Hendrix in Conway, Ark. Dick Meyer,



Mary Bowen and Anne Gates, all 17, would have been seniors. Girls hope to transfer to Vassar. All would have been willing to attend integrated school.



OFF TO NEW SCHOOL, a busload of students from Little Rock begin their daily 42-mile ride to Hazen High. To aid Faubus' cause, Hazen school

board used surplus funds to hire two extra teachers and pay part of transportation costs so that high school could accommodate 45 Little Rock pupils.



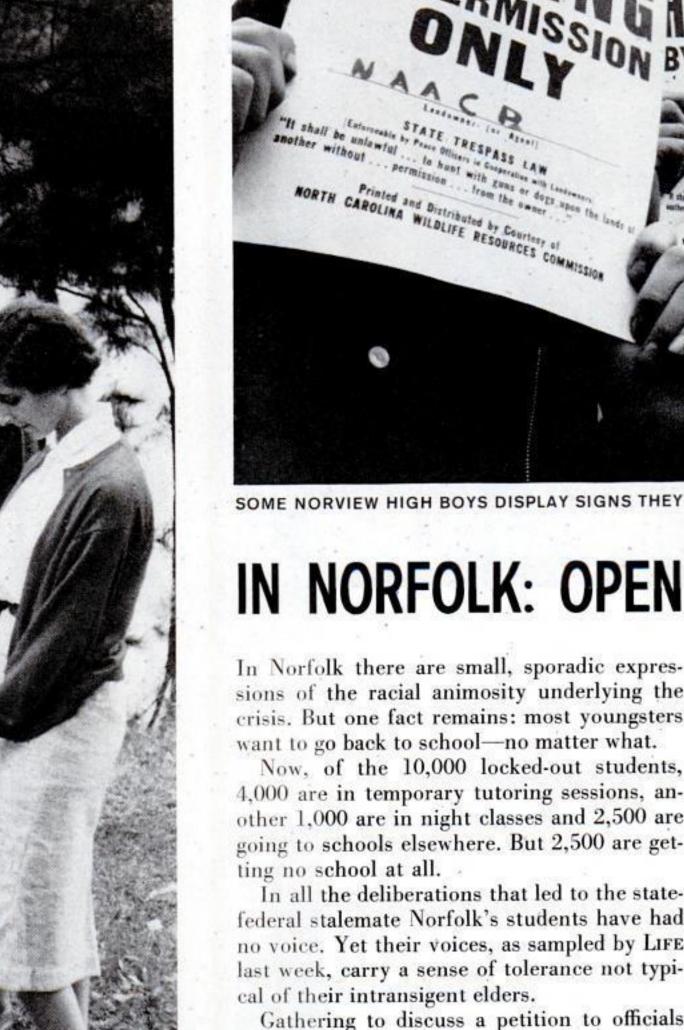
AT BOARDING SCHOOL, Lausanne, in Memphis, are seven girls from Hall High. From left are Liz Hollenberg, Genie Johnson, Peggy Ann Reinhart,

Cathy Brown, Lynn Friedman, Carolyn Eggleston and Emily Hall. Says Liz, "It was a terrible thing to have happen, what with the football team winning."



LOCKED-OUT LEADERS of Granby High students start meeting with prayer at creekside home of President Chuck Spence (left). Group met to discuss

unsuccessful petition to officials to reopen schools. Others are Lynn Batten, Kristina Butler, Katie Mason, Bob Zierden, Nita Lewis and Sandra Freedman.



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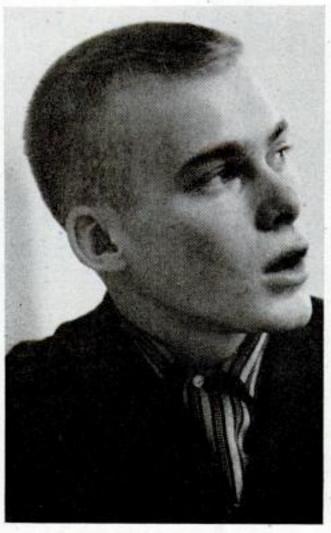
In Norfolk there are small, sporadic expressions of the racial animosity underlying the crisis. But one fact remains: most youngsters want to go back to school-no matter what.

Now, of the 10,000 locked-out students, 4,000 are in temporary tutoring sessions, another 1,000 are in night classes and 2,500 are going to schools elsewhere. But 2,500 are getting no school at all.

In all the deliberations that led to the statefederal stalemate Norfolk's students have had no voice. Yet their voices, as sampled by LIFE last week, carry a sense of tolerance not typical of their intransigent elders.

Gathering to discuss a petition to officials to reopen their schools, student leaders (left) from Granby High spoke up.

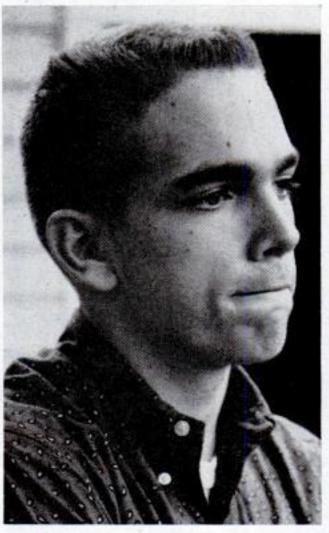
"These white folks who complain!" cried Nita Lewis. "They let colored maids raise their children and fix food for them. But they don't let their children come to school and get near colored kids." Student President Chuck Spence



FOOTBALLER, Senior Jack Mengel, 18, varsity right halfback at Maury High, says, "I think integration will come eventually, but I don't think it should. . . . If it has to come, I think it should be started in the first grade."



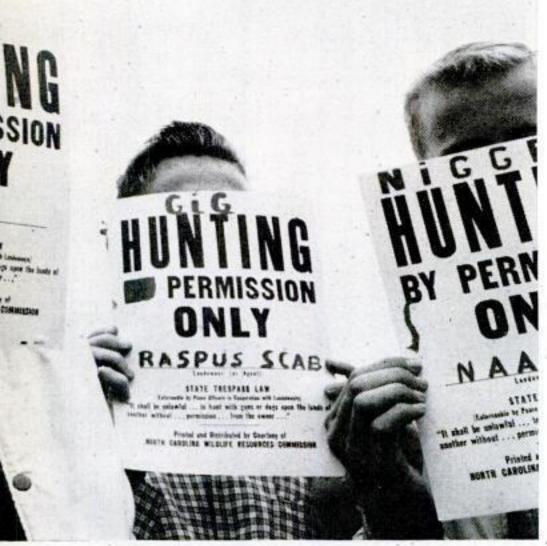
COUNCIL MEMBER Brenda Lee Smith, 17, a Maury senior, says, "I don't care if I'm the only white girl in a whole school of Negroes. I don't care if they're pink, yellow or whatever. I just want to go to school."



STAR STUDENT at Granby, Senior Tom Winingder, 17, says, "If we had a choice I think even the colored people would rather be alone. Now that we haven't a choice, I'd rather get the education and take it as it is."



MAURY SENIOR Dreanna Foster, 17, says that her school should be opened, "even if it is integrated, because education is more important than segregation, but I wouldn't like to see integration on a large scale."



DOCTORED UP DURING ONE OF THEIR IDLE DAYS

# UP OUR SCHOOLS

says, "The only difference between a white and a black man is where their ancestors lived. Skin pigment gets darker as you move toward the equator. If I moved to Africa my descendants would be black."

Sophomore Lynn Batten was the only one who would not return to an integrated Granby High. "I don't think the Supreme Court has the right to do this," he says. "I have no hate for Negroes, but I don't want my children and grandchildren to go to school with them." But Sandra Freedman argues that "I don't think it's going to hurt any of us to go to school with colored kids. I don't think one or two or 50 Negroes will hurt any of us."

She may never get to know because the stalemate shows no signs of breaking. The damage already done is undeniable: if the schools should reopen tomorrow, officials believe barely more than half the class of '59 would still be on hand. The rest have gone elsewhere, into service, into jobs, into marriage (next page).

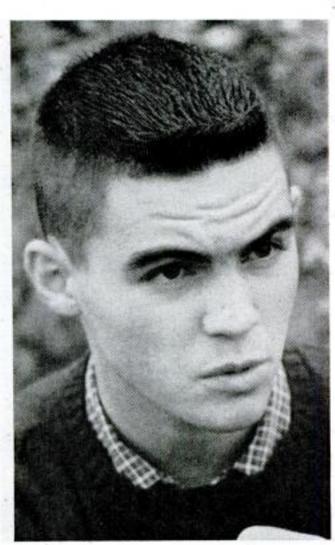


NIGHT ESCORT FROM SCHOOL, a motorcycle policeman, gets set to accompany a busload of students home after evening classes in South Norfolk.

Guard was assigned after a rock was thrown through a bus window. Buses pass Negro section in Norfolk and police suspect white students shouted taunts.



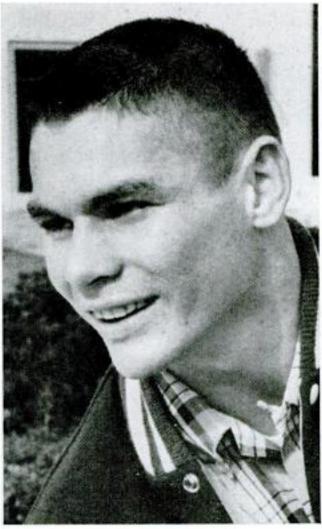
club leader Chuck Montagna, a senior, heads Key Club at Granby, says, "Colored people are a race in themselves and should be treated as such. If we attended the same school, I think they would hold me back."



CLASS OFFICER Kenny Fusch is senior vice president at Granby, says, "I don't see how school can open like it was last year, so let's open it integrated. . . I guess you can learn just as well sitting next to a colored boy."

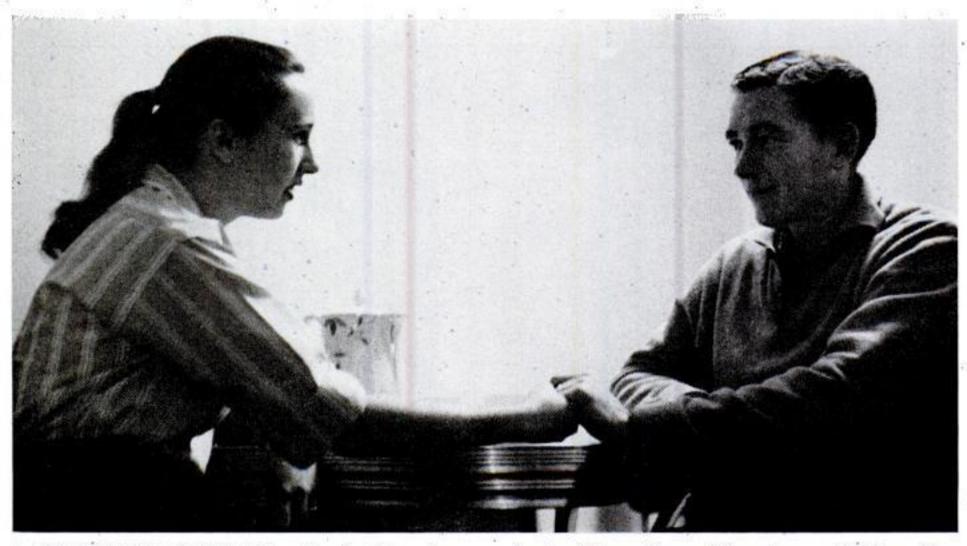


CHEERLEADER Diane Milner, who is a Norview sophomore, says, "I wish the school was open but not integrated. I'd rather go to no school at all than to an integrated one. I guess I'd just have to be illiterate."



STUDENT PRESIDENT at Norview, Clyde McCoy says, "I don't want integration . . . but the federal government made its decision and you can't fight the federal government. I think the people should abide by the law."

#### LOST CLASS CONTINUED



A SCHOOLGIRL BRIDE, Helen Harris of the class of '59 at Maury High in Norfolk, holds hands with

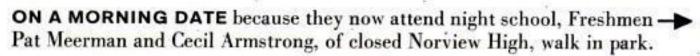
husband James Brown. They advanced their wedding plans when she felt school would not reopen soon.

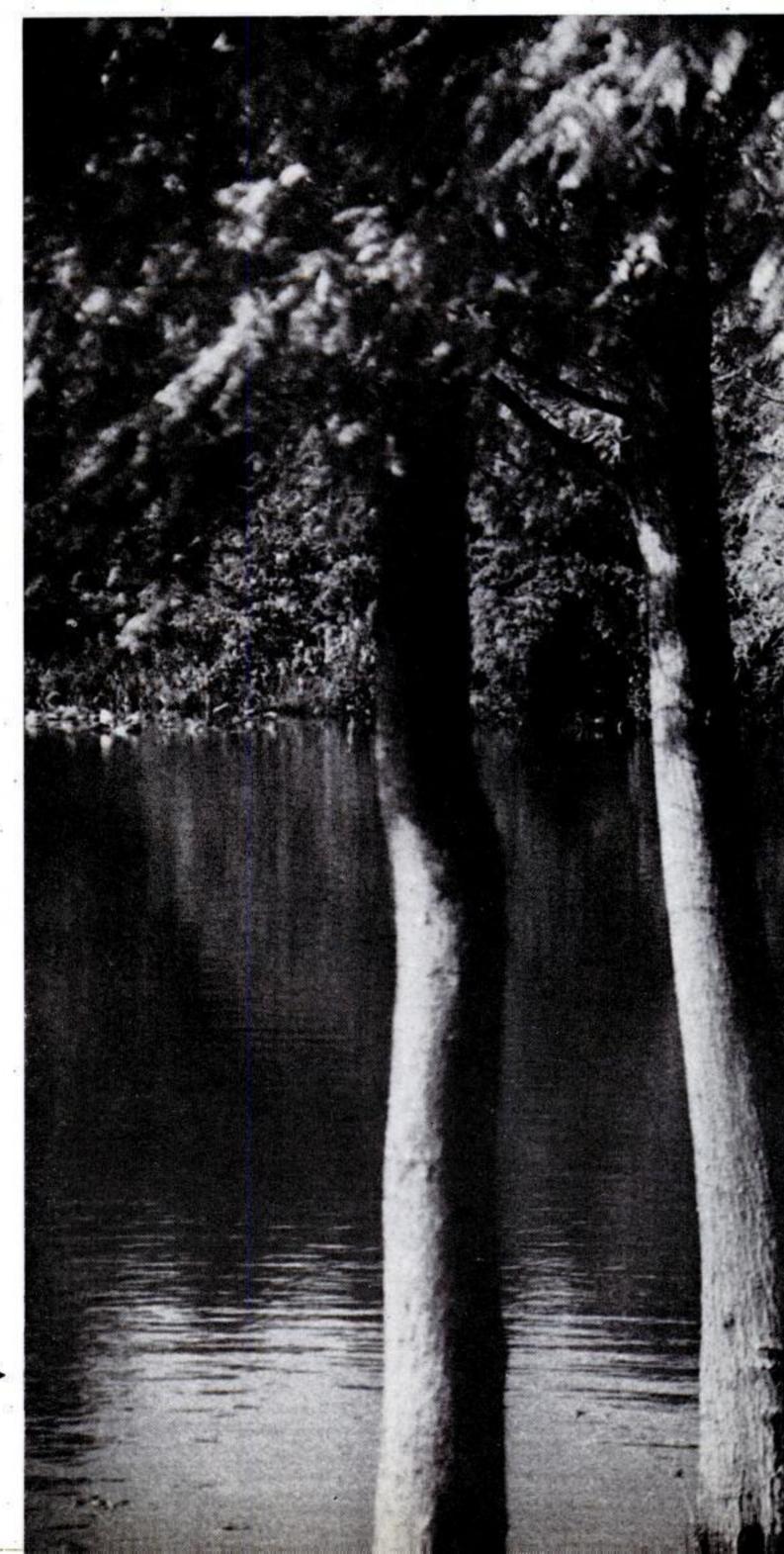


SCHOOL-LESS BUT SPIRITED, NORVIEW HIGH'S



TEMPTED BY TROUSSEAU, Ann Sugent, Norview '59, tries on wedding gown. She planned to wait until graduation to marry Gerald Carter, now may not wait.





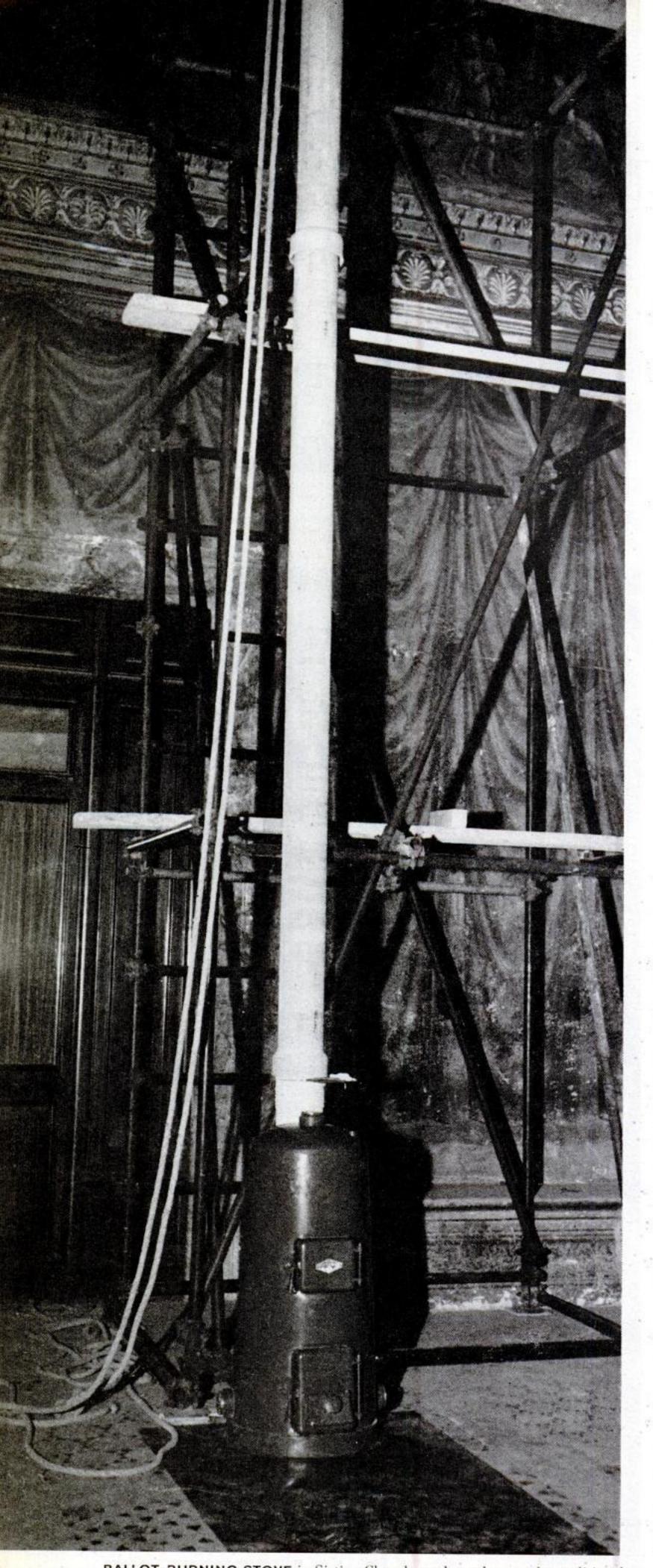


JUNIOR CHEERLEADERS KEEP IN PRACTICE BESIDE CAMPUS THEY CAN'T USE

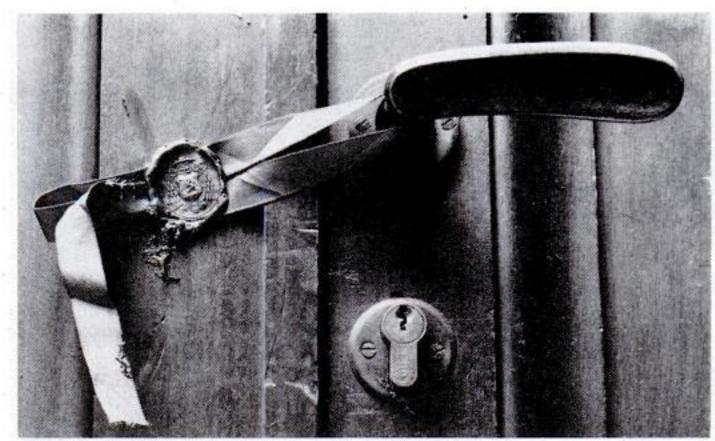


LOOKING FOR WORK, Pat Hyman, a senior from Maury High, checks in at an employment agency. She hopes for office work but has not yet found a job.





BALLOT-BURNING STOVE in Sistine Chapel stands ready to make traditional smoke signal to crowds outside. Smoke is white if Pope elected, black if not.



CLOSING CONCLAVE AREA, DOORS WERE SEALED, PASSAGEWAYS WALLED UP

# THESE MUTE OBJECTS BESPEAK A NEW POPE

Suddenly in Rome a few simple objects—a stove, some straw, some sealing wax and three white robes—assumed a deep significance as 51 cardinals from every continent gathered to elect a successor to Pope Pius XII. The cardinals were voting in most secret conclave. The wax was to seal the doors that closed them in the Vatican. The straw and stove stood ready to signal the votes' result. And the white robes (opposite) awaited a new Supreme Pontiff for the world's 500 million Roman Catholics.

The cardinals entered the conclave without Edward Cardinal Mooney of Detroit, who had died a mile away less than an hour before. After they filed in, the door was double-locked. Before they emerged they would elect a Pope. The world outside would learn of his election by smoke from burning ballots. Inside, he would step into one of the robes and pairs of shoes. Then sealed doors would open and he would go to the balcony of St. Peter's and give his papal blessing to the cheering crowds.



FIRE IRONS AND STRAW are used in building fire to make smoke signal. For white smoke, paper ballots are burned alone; for black, damp straw is added.





FREDERIKA, IN BLOND MINK COAT AND MATCHING MINK BERET, BEAMS AS SHE ARRIVES IN NEW YORK

# ARRIVAL OF A STUDENT QUEEN

# Frederika of Greece comes to U.S. seeking nuclear knowledge

A "modest student of atomic energy," as she called herself, arrived in the U.S. last week wrapped in mink, sparkling with diamonds and rubies, and flashing a royal smile. Queen Frederika of Greece, accompanied by Prince Constantine, 18, Princess Sophie, 20, and two poodles, began a six-week visit here "to learn about the peaceful uses of atomic energy."

The queen's interest stems partly from the fact that a nuclear reactor is being built near Athens. She wasted no time getting down to work by meeting top atomic specialists (right). But her daughter behaved like a tourist. She went shopping on Fifth Avenue, bought two pairs of expensive shoes only when assured they would last 10 years. The next day she came back with an old pair to be repaired.

After New York the royal family went to Washington. Then Constantine went touring military bases while Queen Frederika and Sophie toured atomic installations, squeezing in time to let Sophie see the Grand Canyon.



GAY WELCOME in Washington for Frederika and children brought out (right) Undersecretary of State Herter, General Nathan Twining, Mrs. Herter.





WITH ATOMIC BRASS Frederika (right) talked nuclear physics. Next to her is AEC Chairman John McCone. Opposite are Meril Eisenbud (right), Clark

Vogel of the AEC. At left are Mrs. McCone (from back), Leland Haworth, Mrs. Eisenbud. Experts said queen showed surprising knowledge of the subject.



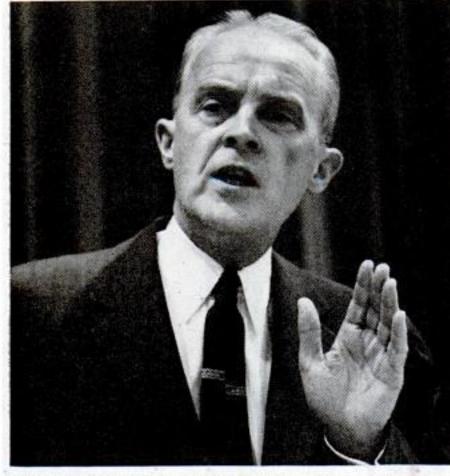


IN CHILDREN'S DEPARTMENT Sophie throws startled glance at dummy on swing as she tours Falls Church, Va. store. Here she got first escalator ride.



AT BLOOD BANK in Washington Red Cross chapter, Frederika gives encouragement to donor. Five Greek-Americans were giving blood as she arrived.

### Democrats divided by civil rights, a deep personal dislike



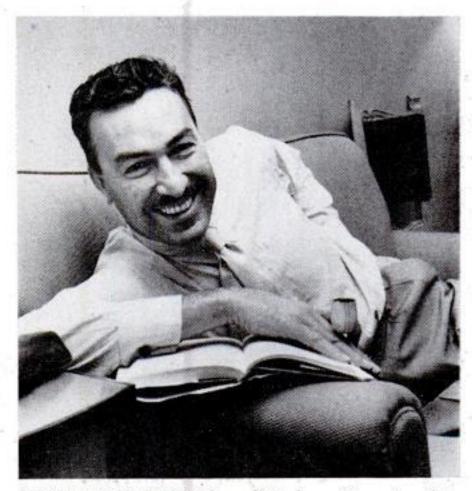
ATTACKING SOUTHERNERS, National Chairman Paul Butler said if they reject party's civil rights stand, they "will have to go their own way."



ATTACKING THE ATTACKER, Florida's Senator George Smathers said Butler should stress "unity of the Democratic party rather than its divisions."



BELLIGERENT HARRY, ex-President Truman was in Harlem with Harriman (left) on condition that Democratic Congressman Adam Powell keep away.

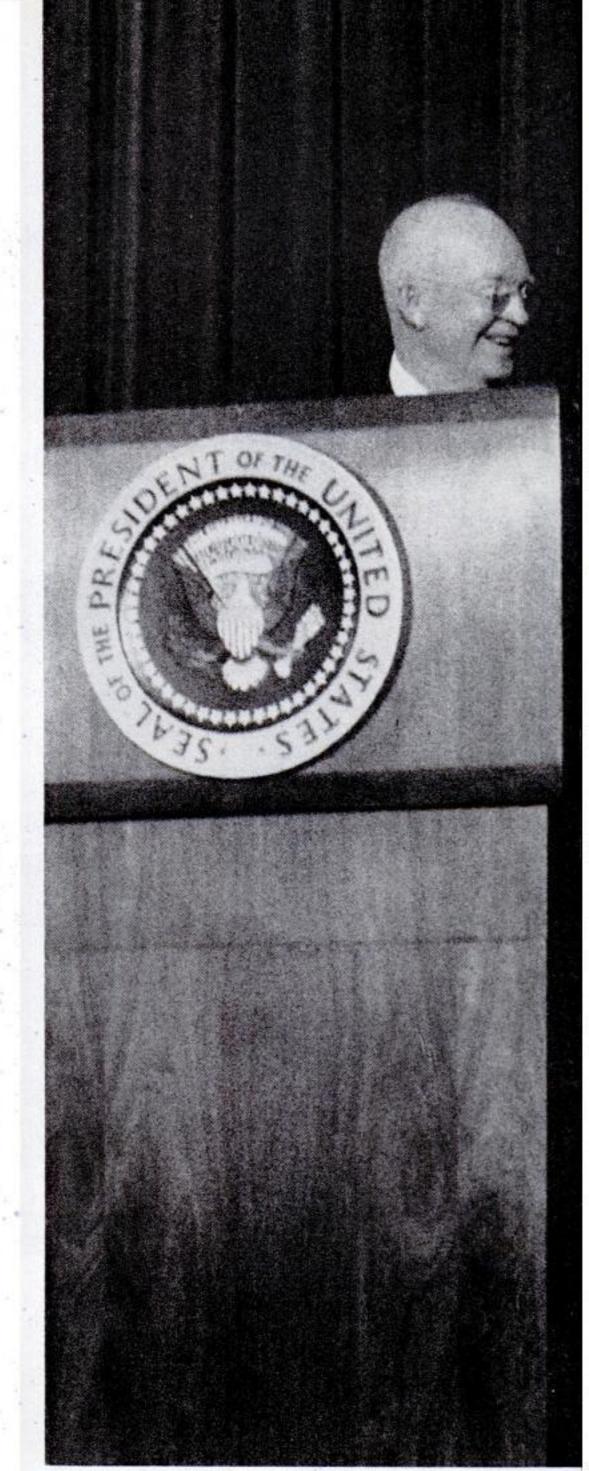


ADAM WITH A COLD, political variety, stayed in hotel. Powell had antagonized Truman by his political actions and by calling Mrs. Truman "last lady."



TRYING TO MAKE PEACE, Senator Lyndon Johnson spoke at a Democratic luncheon in Nashville with Mrs. Johnson seated at left and Governor Frank

Clement of Tennessee in center. Johnson called for unity among his fellow Democrats, defended southern senators who had been attacked by Truman.



MOMENTARY REPUBLICAN UNITY COMES IN LOS



NEW SPEECH WRITER for Eisenhower, Malcolm Moos, former professor at Johns Hopkins, helped with the President's Los Angeles blast at Democrats.



ANGELES AS PRESIDENT IS APPLAUDED BY FEUDERS KNOWLAND (CENTER) AND KNIGHT AFTER SPEECH

# PARTIES FIGHTIN' AND FEUDIN'

## Democrats, Republicans attack their friends as if they were foes

With the election almost on them the politicians should have been pouring all their fire on their enemies. But last week both Democrats and Republicans were taking time out for feudin' and fightin' among themselves.

The big Democratic hassle was over the basic issue of civil rights as the party's chairman stirred northern Democrats' old differences with the South. Up north Harry Truman, meanwhile, renewed a personal feud.

Among the Republicans, President Eisenhower tried to do something about his party's biggest split by flying to California where Republicans William Knowland and Goodie Knight were openly antagonistic. With the help of a new speech writer the President gave

the Democrats the worst going-over he has ever given them. "The Democrat party," he said, is ruled by "political radicals" who suffer from "political schizophrenia." The President spurred party workers but did not bring Knowland and Knight any closer together.

In the East the two Republicans who might be rivals for the 1960 nomination, Richard Nixon and Nelson Rockefeller, were so aloof it was almost a scandal. As Nixon came into New York, gubernatorial candidate Rockefeller—who fears that Nixon might alienate the pro-Rockefeller Democrats and independents—pointedly avoided appearing in public with him. The two finally got together just to make out that they weren't feudin' and fightin' too.

#### Republicans apart, together



WITH ROCKEFELLER ABSENT, Nixon, under a portrait of Teddy Roosevelt, urged election of all New York Republicans at Garden City, N.Y. dinner.



**STAYING AWAY FROM NIXON**, Rockefeller attended a New York dinner with his wife (*center*) and his co-campaign manager, Mrs. Maurice Moore.



FINALLY GETTING TOGETHER, Rockefeller and Nixon have breakfast in New York in show of amity. Rockefeller said reports of rift were "a lot of bunk."

## **EDITORIALS**

# DE GAULLE AND THE REBIRTH OF HOPE

In his press conference last week, Charles de Gaulle recalled the "heavy atmosphere" of his last one (May 19) and boasted that "it has completely changed." His government, he added, "achieves not without difficulty some results."

On this mild boast the only possible comment is "And how!" Five months ago France was the sick man of Europe, on the point of collapse or civil war. Now there is hope in France and about France all over the world. Some of the hopes are timorous; writes a Frenchwoman to an American friend: "Most of us are hopeful but worried. Maybe that's what we are worried about—being hopeful, I mean. Here in France we've lost the habit for so long." But hope can also be realistically bold, envisioning peace in Algeria and the emergence, from the ashes of the old French empire, of what De Gaulle calls a new "fraternal civilization," a great new force for freedom and order in the world.

The achievement is so extraordinary that it is time to remind ourselves of just what De Gaulle has done.

He took power as premier June 1, under the shadow of an army-led insurrection of Algerian colonists. To minimize the taste of illegality, he asked and got a large Assembly grant of extraordinary powers. The last taint of illegality was removed by the referendum of Sept. 28 which endorsed his proposed new constitution by nearly 4 to 1. It even caused a million and a half Communist voters to defy party orders.

The new constitution itself corrects one of the chief flaws in the old French political system, the irresponsible tyranny of the Assembly. The new electoral law corrects the other chief flaw: it eliminates proportional representation. Now voters can choose one deputy from their own region, instead of a party slate of unknowns from a wider area. Although the French have always been good voters (80 per cent of the eligibles) many of them are looking forward to this November's election with a sense of direct involvement they have not felt in many years.

Yet there will be no De Gaulle party in these elections. He will not let his supporters use his name "even in the form of an adjective." To achieve this George Washington eminence, he has had to do a superb job of broken field running among his own supporting factions. He ordered the army out of politics and even vetoed Jacques Soustelle's plans to create a huge Gaullist front. Having received a triple mandate—from the metropolitan French, the colonial French, and the people of Algeria both

Moslem and European—De Gaulle is now far above party strife. He can thus guarantee that the elections will be as free as possible of terror and hypocrisy in Algeria, and in France free of the old factional hate.

In the process of getting his triple mandate, De Gaulle not only reversed the tide of Communism in France, but broke the back of cynicism in the colonies. Every part of French Africa (De Gaulle visited them all) was given a free option; complete independence at once or developing self-government and industrialization within a French commonwealth. Only Guinea voted itself out. The offer restored overnight the meaning to the brave words from which French colonialism had been draining credibility: France's "mission civilisatrice." Like Henry V's speech to the outnumbered English at Agincourt—"We would not die in that man's company that fears his fellowship to die with us"—De Gaulle's bold gesture worked.

It worked most dramatically in Algeria, where the offer was not independence but genuine equality and fraternity for the Moslems. They repaid it with an overwhelming "Oui" against the express orders and warnings of the rebel F.L.N. Last week De Gaulle cemented his victory with an offer to receive F.L.N. delegates to discuss peace. The mere suspicion that such an offer might be made was enough to tumble the Pflimlin government last May. De Gaulle made it almost negligently, as a humane detail of his triumphant policy. He has vindicated the pathetic willingness of the vast majority of Algerian Moslems to be at peace with France, and restored that confidence in France which alone can make a common French-Algerian future possible.

De Gaulle's huge task is by no means finished. France's good relations with Britain are imperiled this very week by the acrimonious negotiations over the Common Market and Free Trade area. French trade policy badly needs the kind of leadership which De Gaulle has so far given only to his constitutional and colonial problems. But what leadership that is!

It is leadership that keeps its head in the clouds, its feet on the ground, and a good liaison system between. It is personal leadership, for De Gaulle has used only personal weapons: his integrity, prestige, shrewdness, sense of strategy, and ability to articulate precise action with noble speech. But it is also democratic leadership of the highest kind, for it entrusts France's future, and invites her talents, to a wider and more imaginative democratic system.

# THE NATURE OF PASTERNAK'S PROTEST

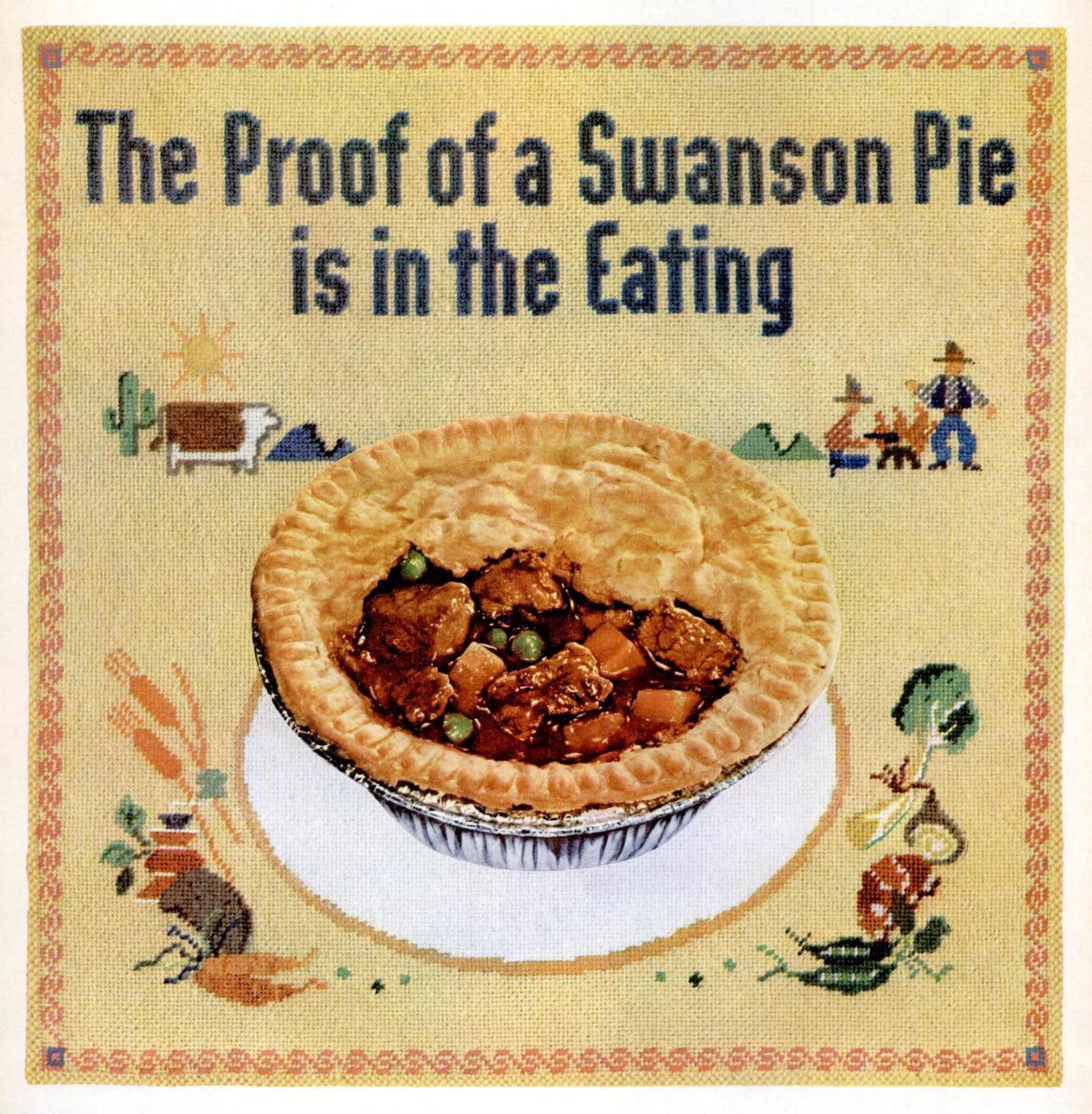
"The Communist Party . . . supports those authors . . . who, with the people, are glad in the success of the nation in building Communism and find bright colors to show these successes."

"I do not know of any movement which is more self-centered and further removed from the facts than Marxism. . . . The government hierarchy, in order to promote the myth of their own infallibility, do everything to turn their backs on truth. . . ."

These are two quotations from contemporary Russians. The first is a policy statement by Nikita Khrushchev. The second is an utterance of Doctor Zhivago, the title character in the novel by Boris Pasternak (Life, Oct. 27), who has just won the Nobel Prize for Literature. Doctor Zhivago, as the world now knows, has been forbidden publication inside the Soviet Union and denounced as "artistically squalid." But the political irony is less important than the actual message of Pasternak's book.

Every American should read it. But don't expect a violent political attack on Khrushchev's imperium. The hero and his gentle friends are not active crusaders against Communism. On the contrary, Zhivago is almost a mountain-top observer of the political chaos around him—what the Russians call an Obyvatel, a nonparticipant. Pasternak's detachment sounds a little like the faraway voice of a monk in a beleaguered Dark Age monastery, a mood with which Americans can not easily sympathize. But it is rooted deep in the soul of Russia and in Russian Christianity. (Zhivago constantly cites the Gospels and the Orthodox liturgy.) A mood of resigned acceptance and half-formed protest is closer than any other to the current view of the Russian people toward their Communist system. Pasternak is the first man to have given it a worthy voice.

The Communists have a comparatively easy time dealing with overt enemies, and they can mobilize Russian nationalism in their fight against the "foreign" West. But the quiet old Russian scorn shown by the *Obyvatel* is harder to grapple with. "Your leaders speak many words," Pasternak has Zhivago say to the 1919 Bolsheviks, "but you forget the most important: that you cannot love by force." Pasternak is saying that no human system can harness history to its chariot, least of all one that denies reality and brutally insists on its ability to repaint man's soul in Khrushchev's "bright colors."



### Who but Swanson makes a pie so tasty, with a crust so flaky?

Only by tasting can you know the true goodness of a Swanson Beef, Turkey, or Chicken Pie. For *flavor* makes these pies the favorites . . . the good, homey taste of juicy meat, savory gravy, flaky crust. (Reminder: That Swanson crust is a feature of America's best-loved individual-size dessert pies, too.) Have Swanson Meat Pies and Dessert Pies soon.





FROZEN MEAT PIES

FROZEN DESSERT PIES





Flavory Hunt's Tomato Sauce gives every grain of rice spicy tomato goodness!

# Rice Pronto... New way with a family favorite—quicker, easier, tastier!

A DELICIOUS—and thrifty—dinner in one dish! And what a dish! Only new Minute Rice and Hunt's Tomato Sauce can make it so fast—so tasty! No baking needed—you mix it all in one pan!

In 5 minutes, the long, fluffy grains of Minute Rice drink up the rich, kettle-simmered flavor of spicy Hunt's Tomato Sauce—and Spanish Rice Pronto is ready to serve!

Try the delicious variations with beef, cheese, mushrooms, frankfurters—you name it! Your family's going to love them all!

#### SPANISH RICE PRONTO

1/4 cup bacon drippings

1 medium onion, thinly sliced

1/2 green pepper, diced

11/3 cups Minute Rice

(45/8-oz. package)

1½ cups hot water

1 teaspoon salt

Dash of pepper

½ teaspoon prepared mustard

2 cans (8 oz. each) Hunt's Tomato Sauce

Melt bacon drippings in saucepan or skillet. Add onion, green pepper and new Minute Rice, right from the package. Cook and stir over high heat until lightly browned. Add hot water, salt, pepper, mustard, and Hunt's Tomato Sauce. Mix well. Bring quickly to a boil; then reduce heat. Simmer uncovered for 5 minutes. Then serve proudly to 4. Recipe may be doubled for larger groups.

### TRY THESE DELICIOUS VARIATIONS



Beef Spanish Rice. Use Spanish Rice Pronto recipe; brown ½ pound ground beef with the rice . . . a new short-cut way to make this all-American favorite!



Mushroom Spanish Rice. Follow Spanish Rice recipe; brown 1 cup (1/4 pound) sliced fresh mushrooms, or a 4-ounce can of mushrooms, with the rice.



Cheese Spanish Rice. Make Spanish Rice Pronto. Then stir in ½ cup sharp grated cheese. Sprinkle another ½ cup grated cheese on top before serving.



Spanish Rice with Franks or Leftover Roast. Use basic recipe; brown 4 sliced frankfurters—or 1 to 1½ cups diced leftover beef or pork—with rice.

Hunt's Tomato Sauce, product of Hunt Foods, Inc. • Minute Rice, product of General Foods Corp.



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IN MINE EMERGENCY SHACK, TIRED TEAM OF "DRAEGERMEN"-MINERS WHO SPECIALIZE IN DANGEROUS RESCUE WORK-WAITS CALL TO GO DOWN AGAIN

# DREAD WATCH: WHO IS NEXT?

Through the long night the watchers upon death kept vigil at a mine. In the tense look of waiting miners, in the dogged, grief-numbed faces of wives and children, was the story of a tragedy as old as the time since men first began working the dark earth for coal.

This time in Springhill, Nova Scotia, it began as it has before: an underground convulsion known as a "bump" suddenly wrenched Cumberland Pit No. 2, trapping 174 miners. Rescue teams, working with oxygen masks or groping "bare face" in the tunnels, began hauling out the living and the dead. After over 50 hours 121 of the trapped had been brought up. Forty were dead. But hope for 53 more, still buried by a wall of earth, dwindled to nothing.

EIGHTEEN HOURS AFTER TRAGEDY RELATIVES OF STILL-TRAPPED MEN KEEP DESOLATE WATCH AT THE PIT HEAD WHERE VICTIMS WERE HAULED TO SURFACE

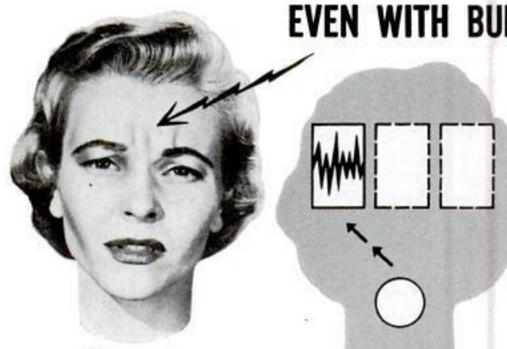


# WHAT DO DOCTORS DO to relieve

# TENSE NERVOUS HEADACHES?

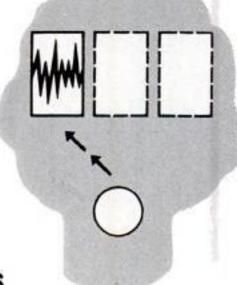
3 out of 4 recommend the ingredients of ANACIN® for headache pain.

BETTER THAN ASPIRIN...
EVEN WITH BUFFERING ADDED

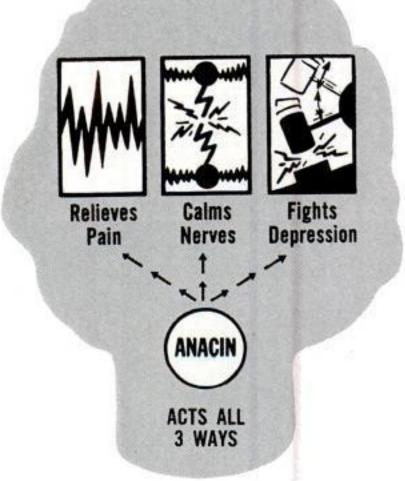




Doctors know aspirin contains only one pain-reliever...



Add buffering and you still have only one

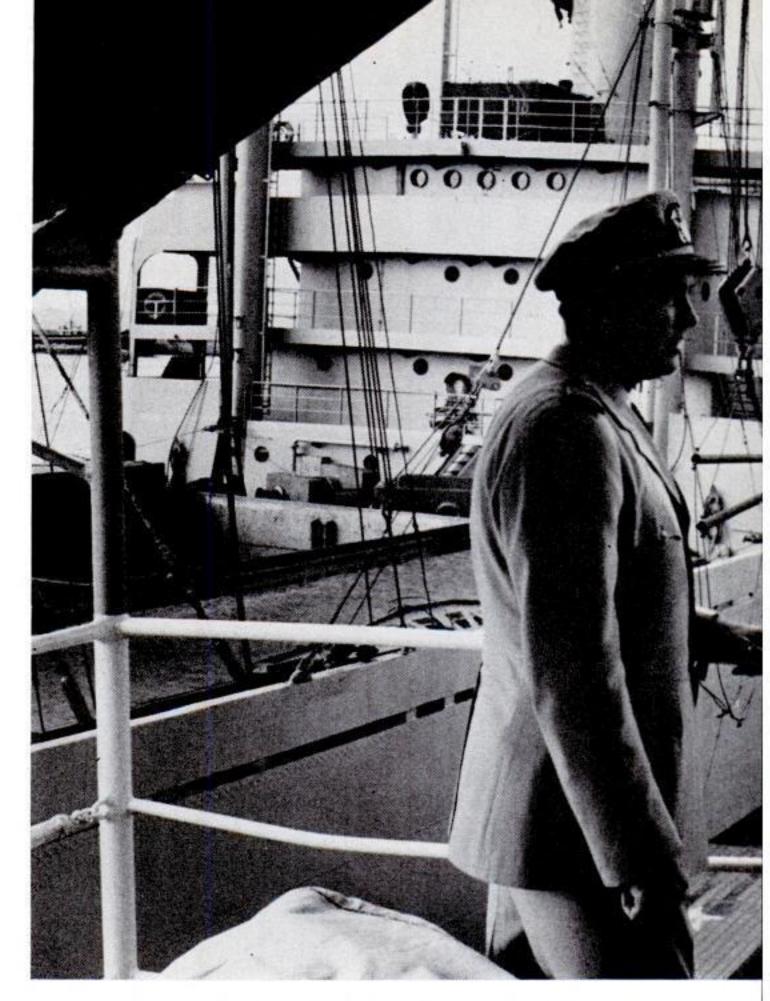


### ANACIN relieves pain, calms nerves, fights depression. Leaves you comfortably RELAXED

Anacin gives a better TOTAL effect — more complete pain-relief than aspirin or any buffered aspirin. Here's the simple reason. Anacin is like a doctor's prescription. That is, Anacin contains not just one but a combination of medically proven ingredients. Anacin (1) promptly relieves pain of headache, neuritis, neuralgia. (2) calms jittery nerves, leaves you relaxed. (3) fights depression. And Anacin Tablets are safe, do not upset your stomach. Buy Anacin today!







### WINDUP OF A TOUCHY MISSION

In Beirut harbor, Lebanon, as the last U.S. military units left for home, their commander, Admiral James Holloway (right), gave final orders. U.S. forces had landed in July to maintain Lebanon's independence during the Middle East crisis. Last week a new four-man cabinet had apparently brought Lebanon peace and political stability.



### KHRUSHCHEV'S ASWAN DAM OFFER

In Moscow, Egyptian Marshal Hakim Amer (left), Nasser's top aide, toasted Nikita Khrushchev's Mideast policy. In return Khrushchev offered Egypt \$100 million to build a dam at Aswan. This was the project for which, in 1956, Secretary Dulles had abruptly and pointedly refused U.S. aid after Nasser bought Red arms, recognized Red China.

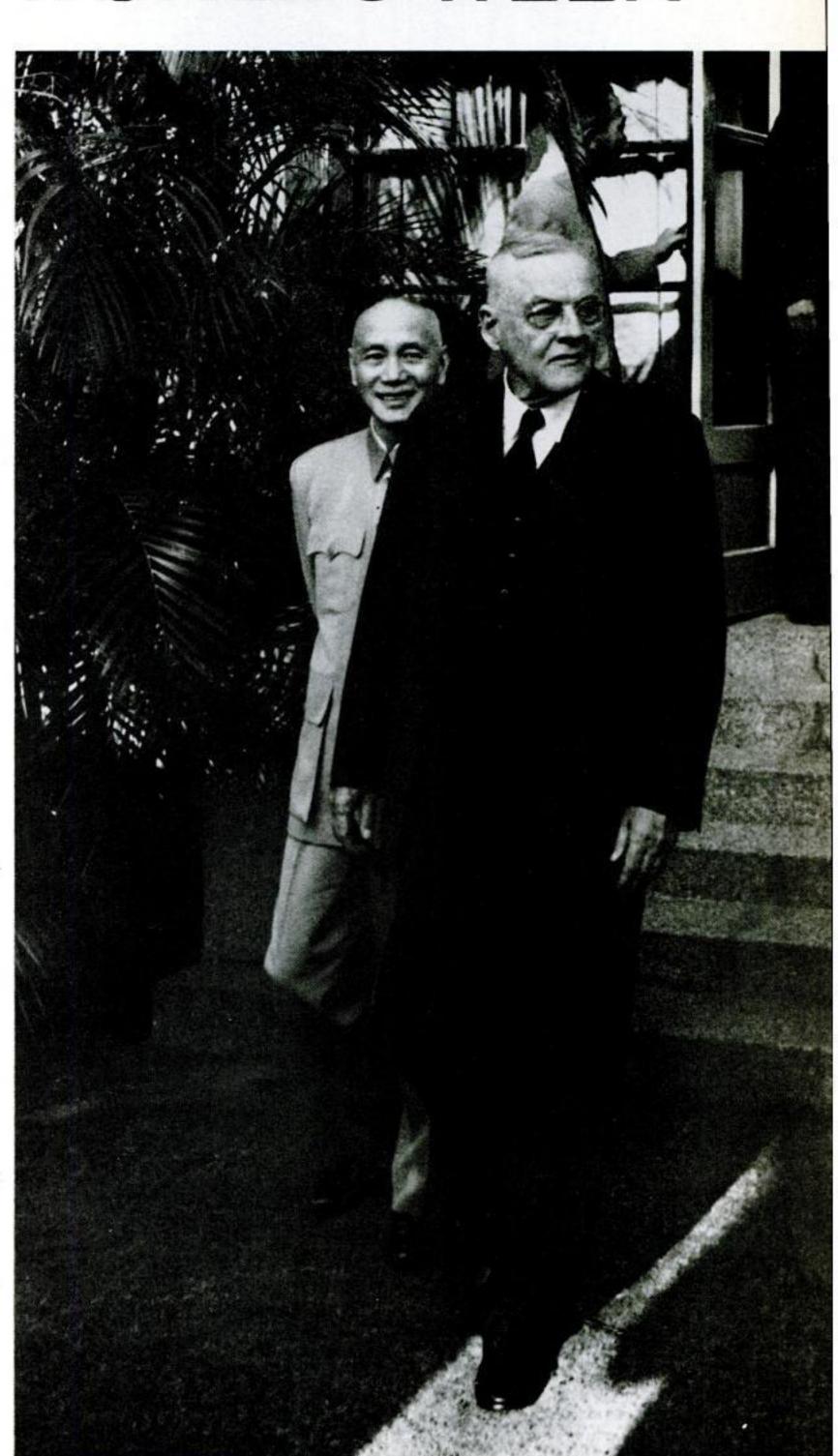


### DE GAULLE - BRAVE MAN'S PEACE ↓

Speaking in Paris, General Charles de Gaulle tried once more for a ceasefire in Algeria. Offering rebel soldiers amnesty and "the peace of the brave" (see Editorial, p. 34), he guaranteed rebel leaders safe conduct to France for peace talks. From Cairo the rebels refused. They agreed to negotiate a "solution of the whole Algerian problem" on neutral ground.



# A LOOK AT THE WORLD'S WEEK



### A FORMULA FOR FORMOSA STRAIT

As the Chinese Reds provided a noisy background welcome by renewing their shelling of Quemoy Island, U.S. Secretary of State John Foster Dulles met in Taipeh with Chinese Nationalist President Chiang Kai-shek and the two hammered out a policy for peace. They declared that the Nationalists would not use force to restore freedom to the mainland but would rely on "the minds and hearts of the Chinese people." They agreed that if a real cease-fire was effected, Nationalist units on Quemoy would be cut. The accord was intended to dispel fears that Chiang might cause war by invading the mainland. It identified the Chinese Communists as the aggressors and pointed a way to demilitarize the Formosa Strait.

### WORLD'S WEEK CONTINUED



FOR U.S. COMMERCE, A NEW CHIEF

In Washington three Secretaries of Commerce were seen together when retiring Secretary Sinclair Weeks (*left*) met successor Admiral Lewis Strauss, under a portrait of Herbert Hoover, Secretary from 1921 to 1928. Weeks, a businessman, was leaving for private reasons.



### FOR PRINCE MASHHUR, A YOUNG LOVE

In Cairo, when Saudi Arabia's Prince Mashhur, 5, shared a chair with Nahed Youssef, 3, and gave her a doll, a rumor started that they were engaged. It was unconfirmed. But Moslems, familiar with child betrothals, were wagging tongues over Mashhur's way with the fair sex.



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look at another man
...unless he
wears the Governor!"

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DIVISION OF KAYSER-ROTH HOSIERY COMPANY, INC., MFRS., NEW YORK



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THE GOVERNOR"

THE FIRST AND FINEST MEN'S STRETCH SOCK





"MERRY-GO-ROUND" BY J. SAFFROM

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Walks away with comfort... feels like you wish every shoe would feel. A hidden elasticized gore makes it fit like Naturalizers always do.





BHAKRA AT NIGHT IS ILLUMINATED BY BULBS STRUNG OVER GORGE. IN LEFT FOREGROUND IS CEMENT-MIXING AREA. AT RIGHT NEAR DAM IS NEW POWER PLANT

# INDIA BUILDS A HIGH DAM IN THE HIMALAYAS

In a narrow river gorge where the dark foothills of the Himalayas sink toward the sweltering Punjab plain of northwest India, the night glitters with work lights. At Bhakra on the Sutlej River, the Indian government is pushing round-the-clock work to completion on one of the biggest, most ambitious power and irrigation projects in the world.

Begun after World War II to bring water and industry to the vast, backward regions of the Punjab and Rajasthan, the Bhakra dam was at first dogged by lack of skilled workers and transport shortages. But under an energetic American dam builder, Harvey Slocum, who was called in six years ago to direct the work, it is now rapidly going ahead. When it is finished in 1962 the Bhakra dam will be 740 feet high—taller by 14 feet than the Hoover, America's highest—and 1,700 feet across at the top. From its 75-square-mile reservoir and a series of irrigation canals, it will send water over 10 million acres to nearly 20 million people.

For Indians the big dam is a symbol of their hope in the future. Visitors flock to Bhakra which is replacing the Taj Mahal as the most important sightseeing spot in India. "The Taj Mahal is for the dead," explains Indian Prime Minister Jawaharlal Nehru. "Bhakra is for the living."

### A touch of your toe and the cord disappears!





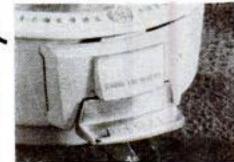
All these work-saving features at no extra cost!

you're finished, touch the foot pedal and the

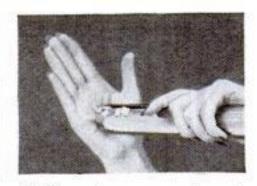
cord stores itself inside the cleaner.



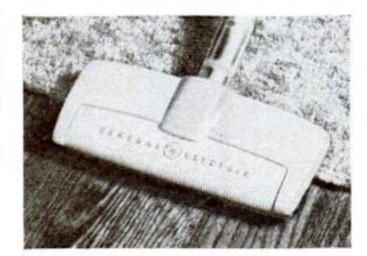
New "steer-easy" wheel-cleaner follows you easily. No bumping into furniture.



New oversize foot switch eliminates bending down to turn power on or off.



Full one-horsepower input motor pulls the dirt into "Throw-Away" bags.



ONE UNIT CLEANS RUGS AND FLOORS. Twin brushes adjust automatically to carpet or bare floors. On forward stroke rear brush digs in to lift up lint and dirt. On back stroke front brush goes to work. Result: fewer strokes, less work.

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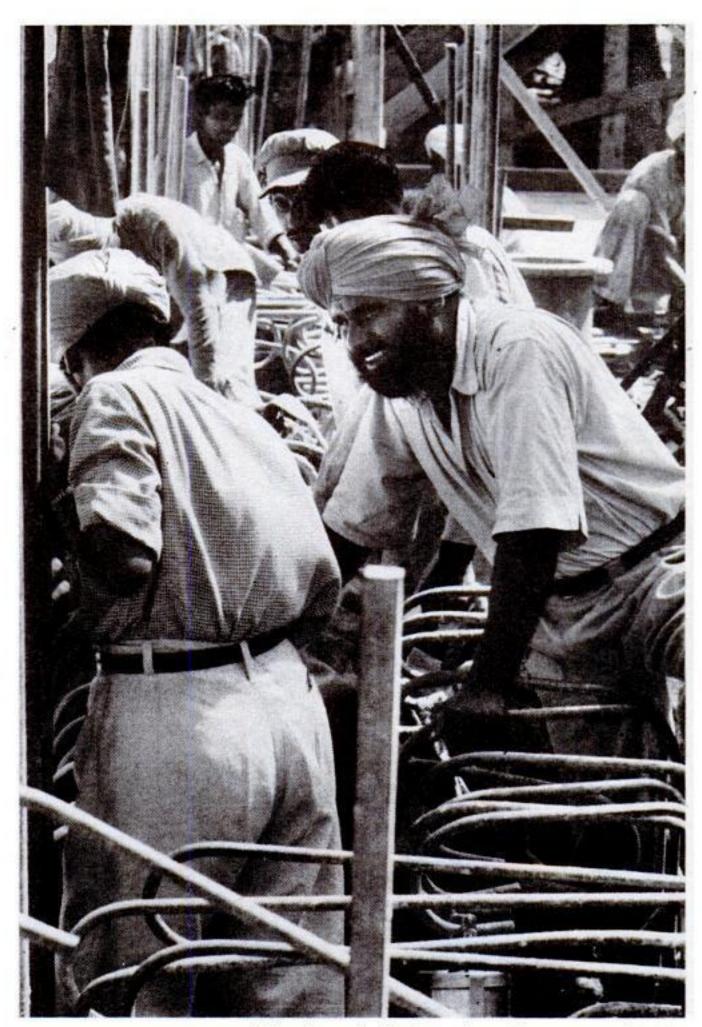
Try the Cord Reel Cleaner at your dealer's today. In Glade Green and Chrome. Vacuum Cleaner Dept., General Electric Company, Bridgeport 2, Connecticut.

Progress Is Our Most Important Product

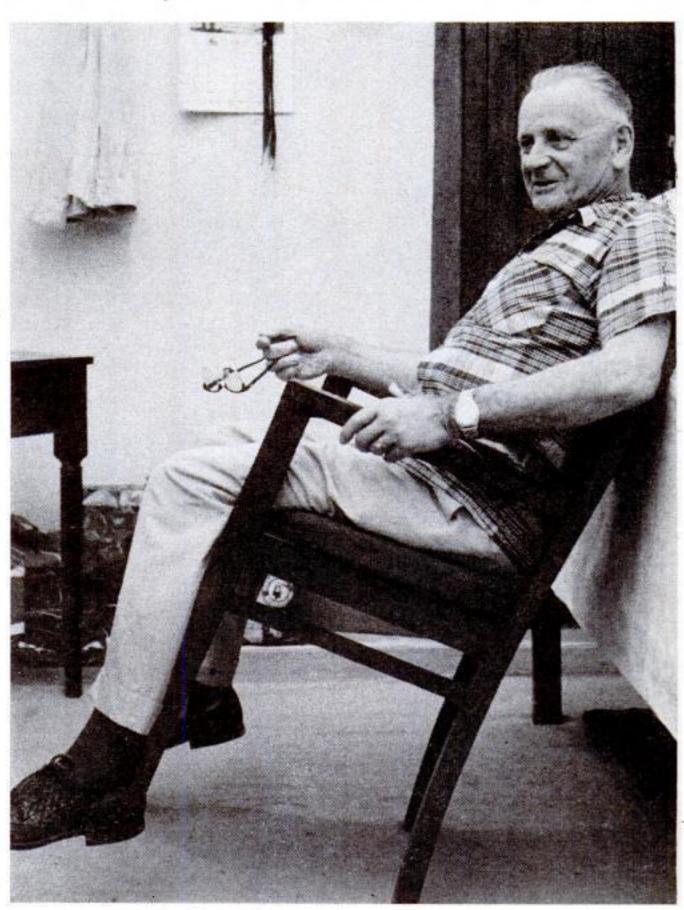




### INDIA'S HIGH DAM CONTINUED



TURBANED WORKERS, Sikhs from the Punjab who make up most of 8.000man labor force, place reinforcing rods into forms before pouring concrete.



AMERICAN BOSS, Harvey Slocum, who directed work on Grand Coulee Dam, takes a break from work. Builders call him "the best dam man in the world."

### Who says you can't drink cherries and berries?



You will love these Manischewitz Fruit Wines: you can't tell where the fruit ends and the wine begins! When you drink Manischewitz Fruit Wines, you sip Nature's own true flavors. For these wines are made from the juice of the world's finest fruits...bursting with sunripened perfection. All the flavor of choice, plump

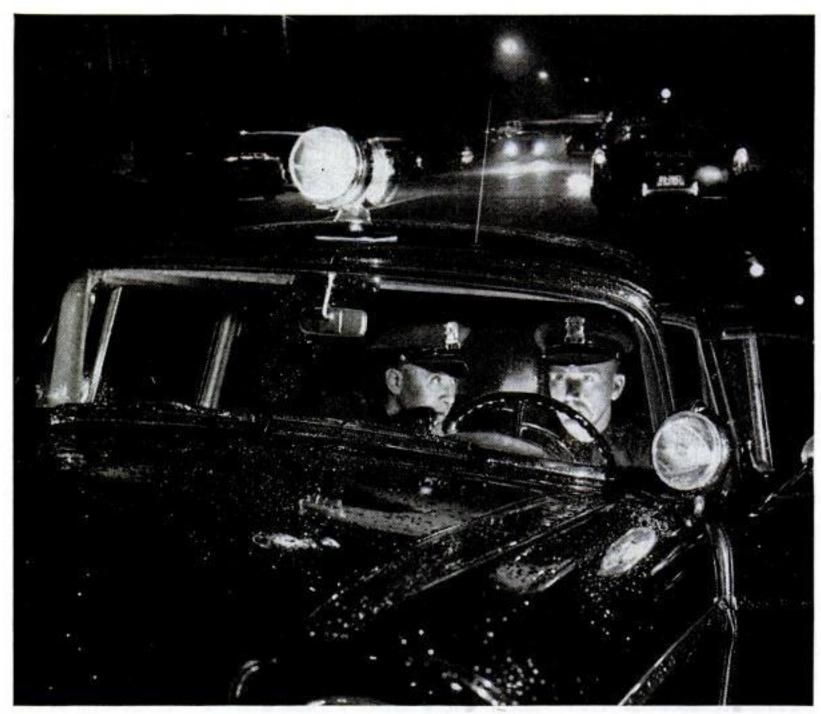


European blackberries—and of hand-picked, home-grown loganberries and cherries—is captured by the age-old Manischewitz skill. Try this delicious Blackberry Wine. Sip the tantalizing Loganberry and the luscious Cherry. Each comes in the famous foursquare bottle. Serve them to your friends and family. Enjoy them *any* time—and *often!* 

("Man, oh Mani-shev-its")

## MANISCHEWITZ FRUIT WINES

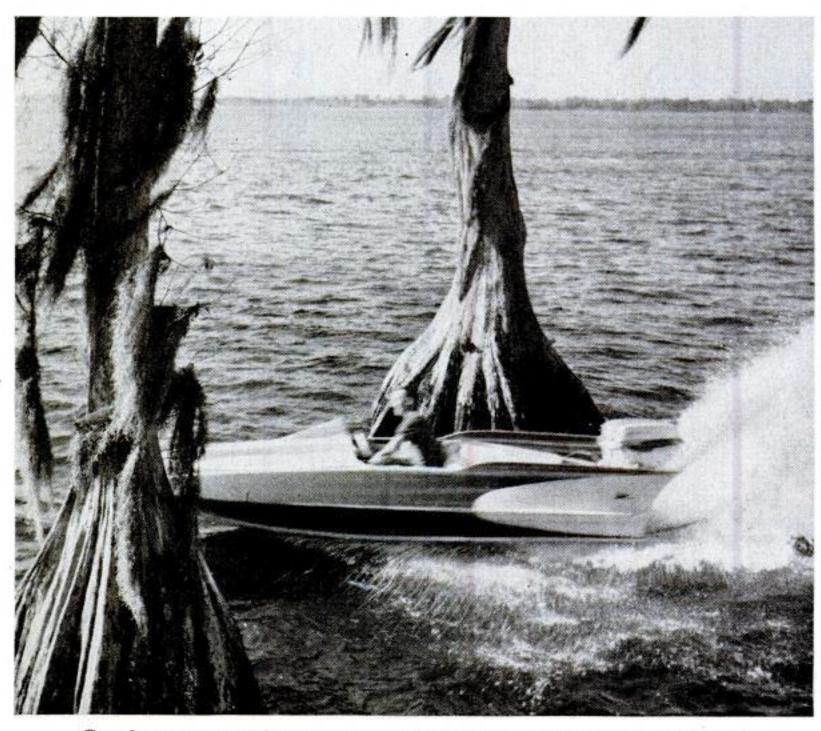
100% PURE · CHERRY · BLACKBERRY · LOGANBERRY · SPECIALLY SWEETENED · MANISCHEWITZ WINE CO., NEW YORK



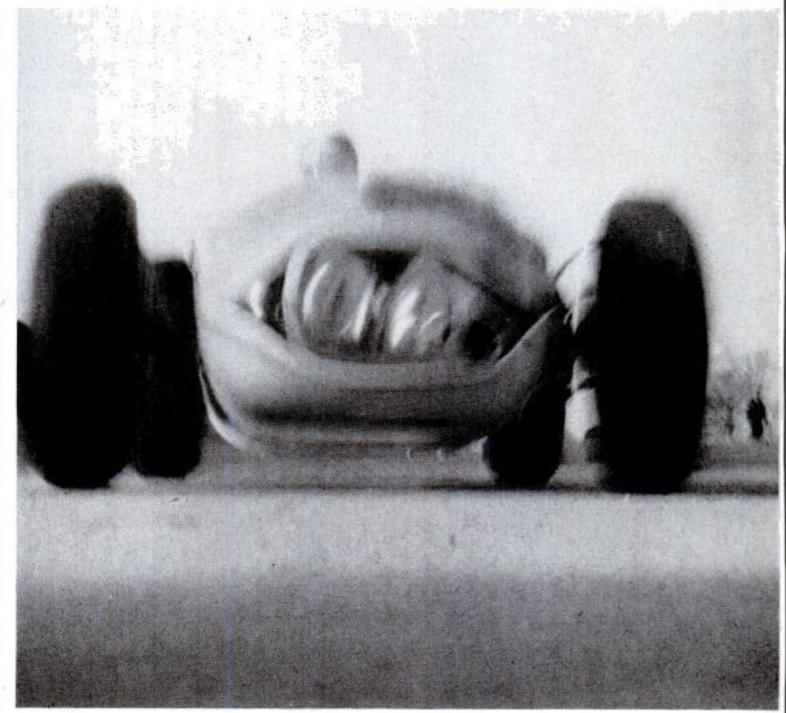
Police cars—nearly twice as many U. S. police cars today are powered by Champions as by any other spark plug.



Car makers—over twice as many car makers (including Rolls-Royce) specify Champions—36 different makes in all!

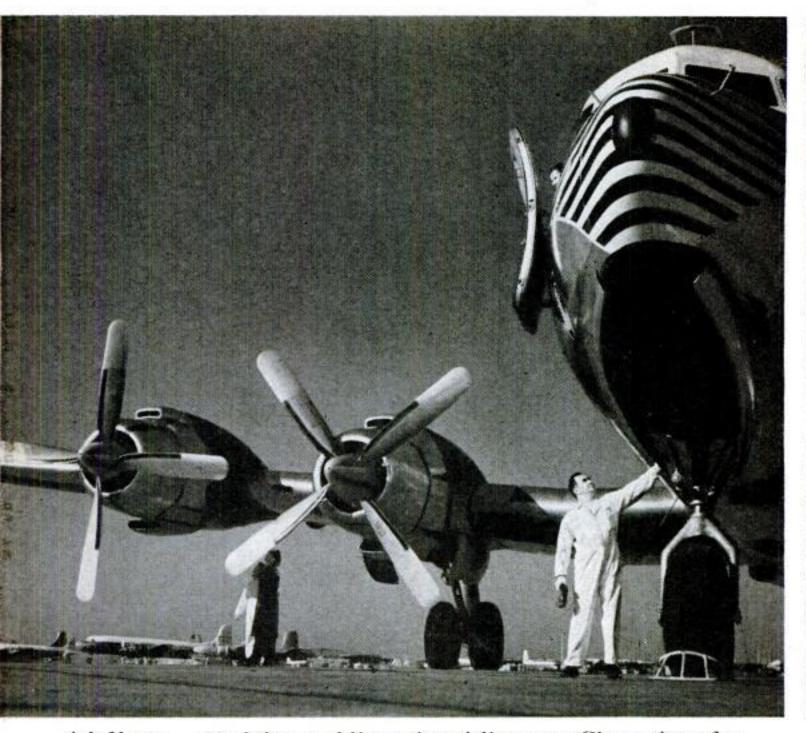


Outboard engines—all major U.S. makers of outboard engines use Champions for easier starts, top performance.



Racing cars—8 of the last 9 Indianapolis winners . . . 9 of 10 stock car winners over the past 5 years, used Champions.

Q. Why is it that wherever performance is vital—on land, sea or in the air—the experts choose Champion spark plugs?



Airlines—all of the world's major airlines use Champions for the safe, dependable performance the airlines must have!



Trucks—eight out of ten truck manufacturers in the U. S. A. specify Champions for full power, regardless of load or road.



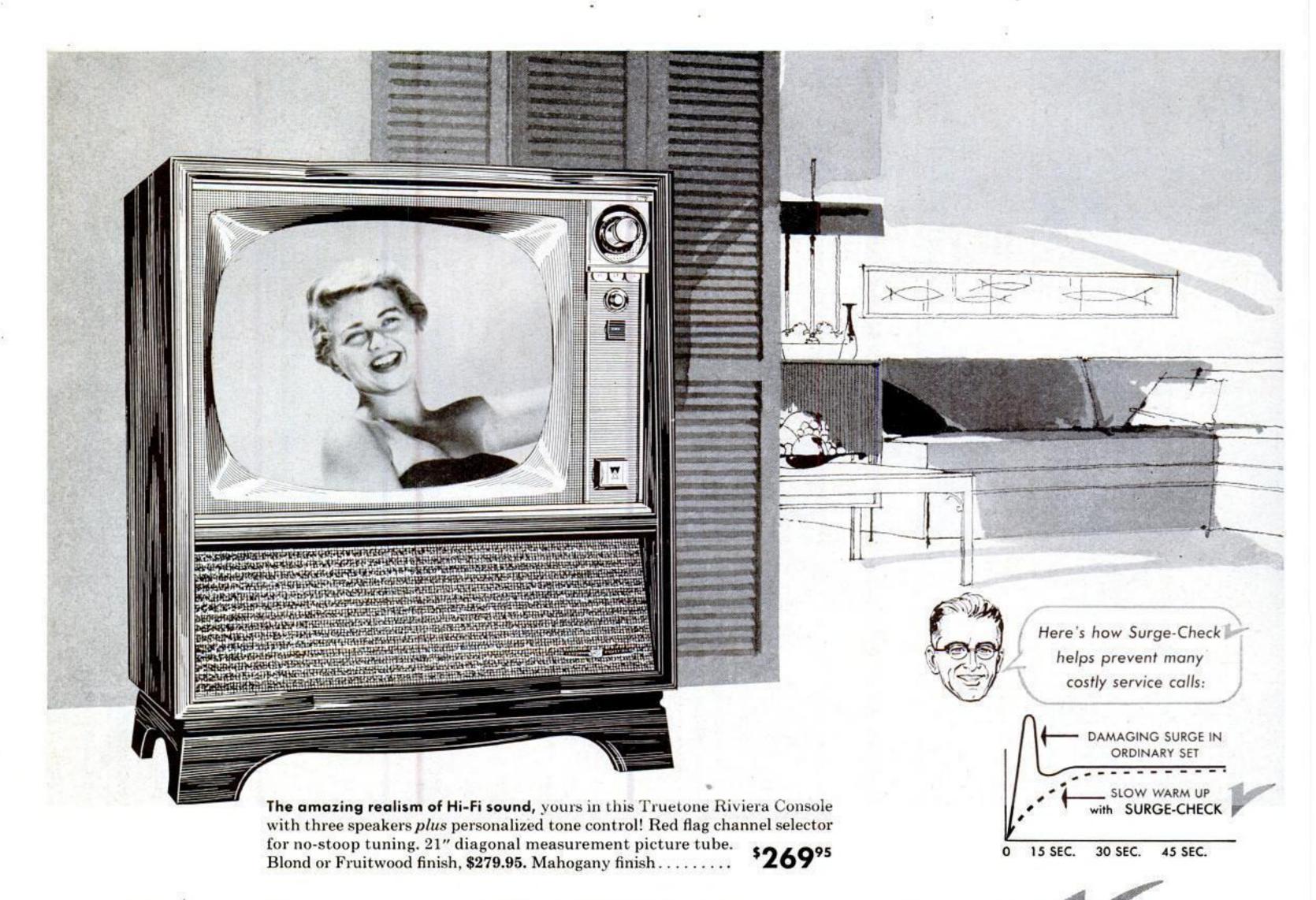
Fire engines—all the major fire engine makers use Champion spark plugs for sure starts and complete dependability.



Farm tractors—every major U.S. tractor maker uses Champions for the dependable pulling power farmers need.

A. The experts know from experience that you can always depend on Champions. To get top performance from your car, put in a new set of Champions every 10,000 miles!





## Now! Truetone TV With "Surge-Check" Tube Saver...Designed To Last Years Longer:

Tired of costly TV repairs? Most set breakdowns are caused by tube failure. But Truetone TV with "Surge-Check" Tube Saver is engineered to control this major cause of TV troubles. Here's how it works:

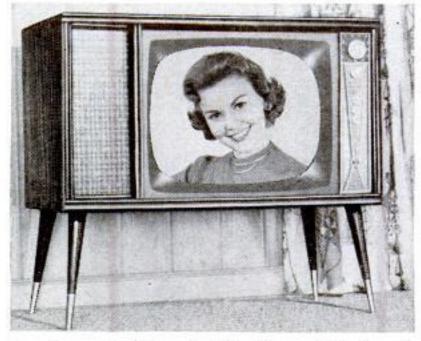
In an ordinary TV, electricity surges into the cold tubes when you turn on the set. This overload of power weakens tubes, causes them to burn out far too soon.

In new Truetone TV, "Surge-Check" Tube Saver prevents this damaging overflow of electricity. Power builds up evenly and tubes handle the flow of current safely.

Styled for lasting beauty, Truetone TV gives you a large selection of modern and traditional designs in Blond, Mahogany and Fruitwood finishes-all featuring the smart Truetone "Thin-Line" cabinet. So before you buy your new TV set, be sure you see the complete Truetone TV line, available only at your Western Auto Store!



Truetone Continental Portable with scuff-resistant cabinet. 17" diagonal measure picture tube, full-tone 4" PM speaker. \$14995



Truetone Continental Lo-Boy with frontmounted speaker, 21" diagonal measurement picture. Blond or Mahogany finish. Blond \$229.95. Mahogany \$21995



Truetone Special has "Surge-Check" even at this low price! 21" diagonal measure picture. Mahogany finish \$189%

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FOUR TURKEYS PLUMMET EARTHWARD AFTER RELEASE BUT IN FEW FEET WILL OPEN WINGS AND FLY TO GROUND

# Gamekeepers' Turkey Drop

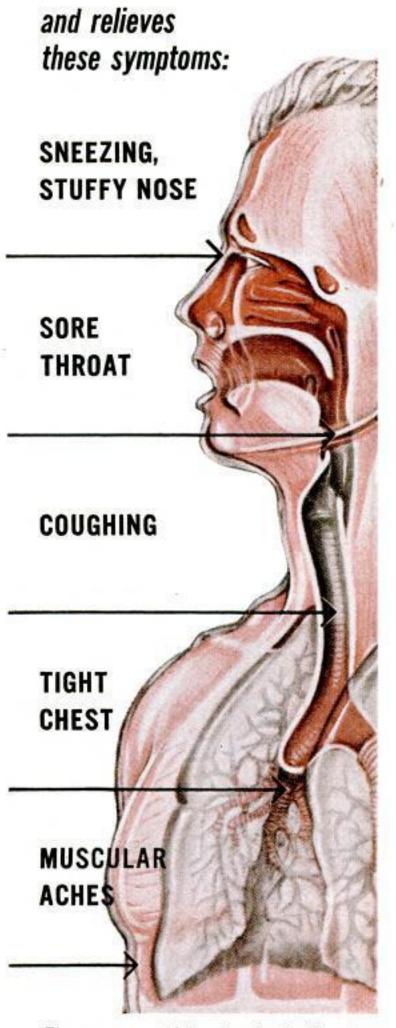
Left to themselves wild turkeys spend more time strutting around on the ground than flying. But a lot of them have been flying high over Florida this fall. In an effort to restock some of the rough-country hunting areas south of Tampa, Florida game officials decided that large-scale restocking could be done best by flying turkeys up and dropping them out of planes temporarily slowed down. After some experimental trips in 1957 the operation was undertaken in earnest this year.

Birds were trapped by gamekeepers in places where they are plentiful, banded and loaded aboard the planes. At 125 feet, a height they never reach by themselves, the 20- to 30-pound birds are released and as soon as they leave the plane's slipstream, start to fly or glide to the ground. So far, in 30 turkey drops involving 230 birds, no injuries have been reported.



ON THE GROUND two turkeys set out in a new home looking for acorns to eat and an oak tree in which to roost.

# Coldene catches your cold in any of its 5 stages\*



The common cold is not a single ailment and its \*stages progress in no certain order. A cold attacks various parts of your system, bringing a variety of miseries to different parts of your body.

Coldene combines in one medicine quickacting ingredients known to provide relief at

your cold's several stages. Coldene acts faster because it's a liquid. Brings feelable relief before a tablet can be digested. Most powerful cold medicine you can buy without a prescription.



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feelable relief in minutes

Copr. 1958 by Pharma-Craft Corp.

Get satisfying flavor...

# So friendly to your taste!

No flat "filtered-out" flavor! No dry "smoked-out" taste!

See how PALL MALL's greater length of fine tobaccos filters the smoke and makes it mild-but does not filter out that satisfying flavor!

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1 You get greater length of the finest tobaccos money can buy

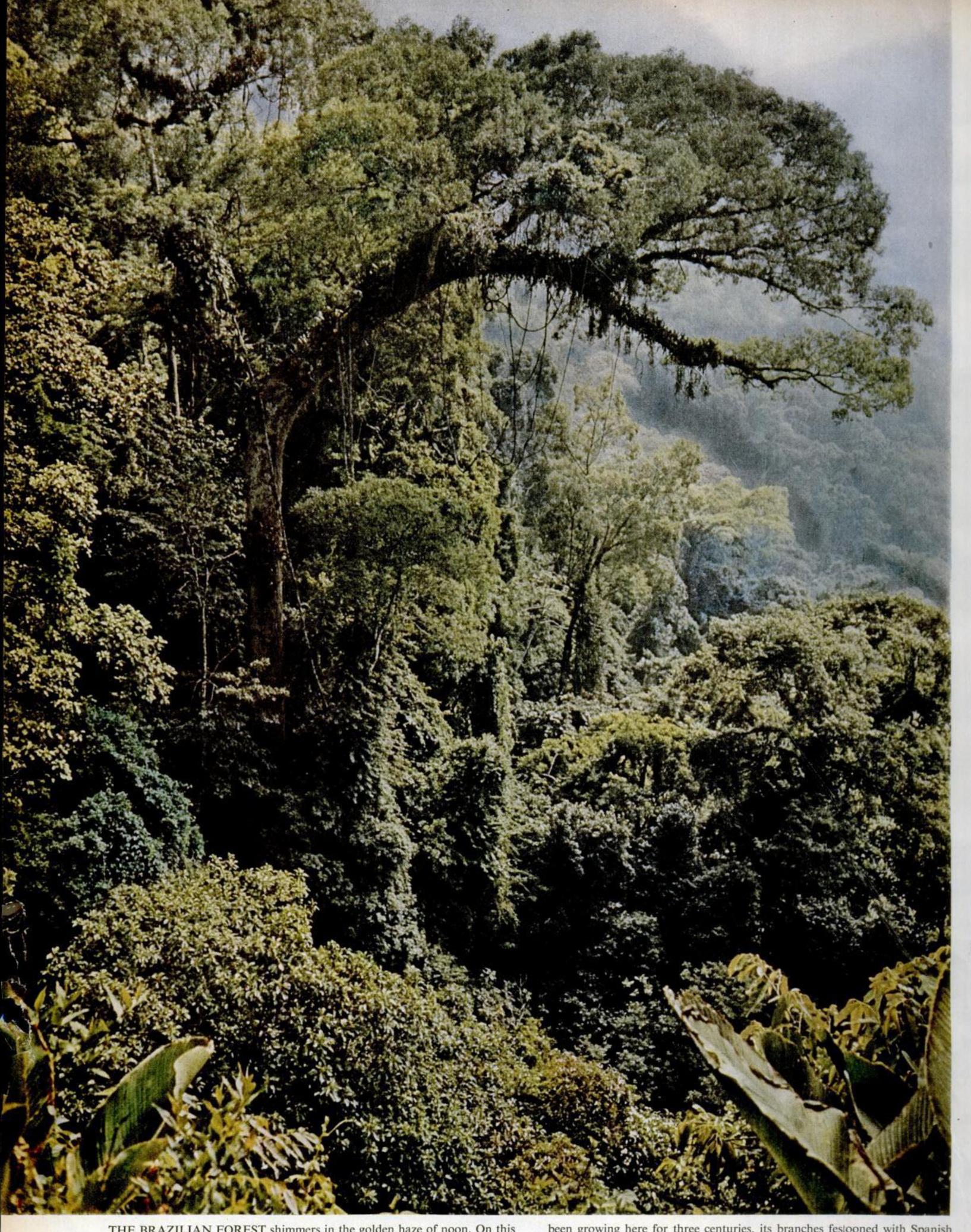
Outstanding...and they are Mild!

Product of The American Tobacco Company "Tobacco is our middle name"

# FAMOUS CIGARETTES MILDNESS, FINE TOBACCO FILTERS BEST IN HOC SIGNO VINCES "WHEREVER PARTICULA PEOPLE CONGREGAT Pall Mall's greater length filters the smoke <u>naturally</u>... Filters it over, under, around and through Pall Mall's fine tobaccos!

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You can light either end!



THE BRAZILIAN FOREST shimmers in the golden haze of noon. On this very slope, near Rio de Janeiro, Darwin roamed 126 years ago, marveling at the splendor of the scene. He undoubtedly observed this giant ceiba tree which has

been growing here for three centuries, its branches festooned with Spanish moss, orchids and the vines of other air plants. This picture and some others following were taken by Dmitri Kessel on an expedition sponsored by Life.

### DARWIN'S WORLD OF NATURE: PART III



A BLUE MORPHO BUTTERFLY, MOST BRILLIANT OF THE FOREST INSECTS THAT ENCHANTED DARWIN'S EYE, SPREADS IRIDESCENT SAPPHIRE WINGS

# RAINBOW REALM OF TROPIC INSECTS

### Its beauty and profusion astonished young Darwin in Brazil

BARELY two months after H.M.S. Beagle set sail from England on its epic five-year voyage, Darwin landed in Brazil and there looked wide eyed on an exotic land. The excitement he felt as a young man of 23, fresh from the misty downs of Kent, still echoes in the words he wrote in his journal on Feb. 29, 1832: "Delight is a weak term to express the feelings of a naturalist who for the first time has wandered by himself in a Brazilian forest. The beauty of the flowers, the glossy green of the foliage, but above all the luxuriance of the vegetation filled me with admiration. To a person fond of natural history, such a day as this brings a deeper pleasure than he can ever hope to experience again."

Darwin's first ecstatic glimpse of the profuse and profligate life of the tropics provided a perfect prologue for his future work. He was at once bewildered and enthralled, for of all domains of life none is richer or more riotous than the equatorial forest with its hosts of animals, birds and, beyond all, insects, numberless as the leaves of the canopy above. His initial impressions remained vivid in his memory, and he often

acknowledged their impact on the thinking of his later years. At the end of his voyage, reflecting on Brazil and still enraptured, he wrote: "The land is one great wild, untidy, luxuriant hothouse, made by Nature for herself. . . . In my last walk I stopped again and again to gaze on [its] beauties, and endeavored to fix in my mind forever an impression which I knew sooner or later must fail. . . . Yet they will leave, like a tale heard in childhood, a picture full of indistinct but most beautiful figures."

Like all great scientists Darwin possessed an esthetic sense of the beauty of the natural world, both in its outer aspect and its underlying order. It was not until he reached the Galápagos Islands (LIFE, Sept. 8) that he began to discern the mechanisms of evolution. But in the teeming, many-footed jungle of Brazil he first found clues that finally gave him insight into nature's hidden ways. On the following pages some of the bizarre and beautiful denizens of the Brazilian forest that Darwin saw are pictured, along with others he may have missed, revealing in their diverse forms and habits the wondrous laws that govern life on earth.



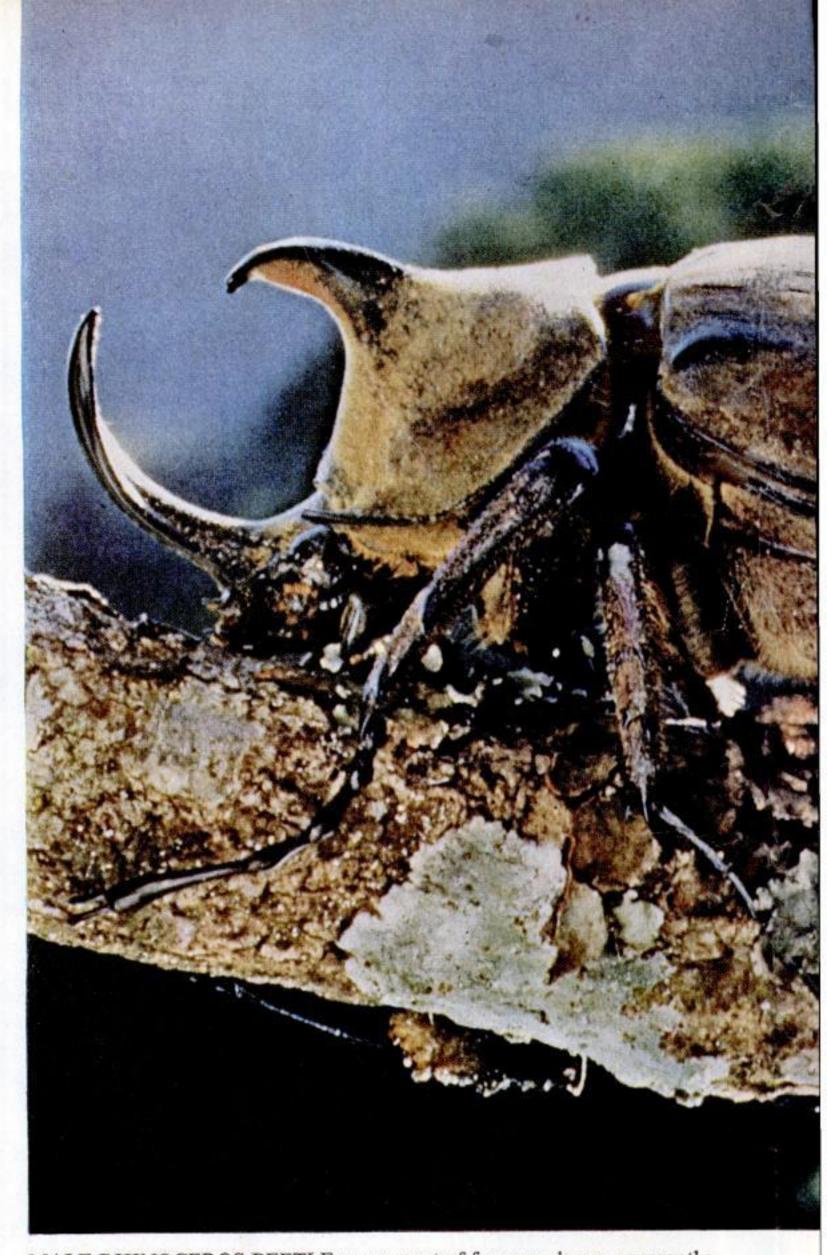
PARASOL ANTS carry leaf sections to store in their underground labyrinths. Darwin expressed wonder at the tireless labors of these "never-ending foragers, burdened with pieces of green leaves often larger than their own bodies."

# SAVAGE BATTLES TO SURVIVE

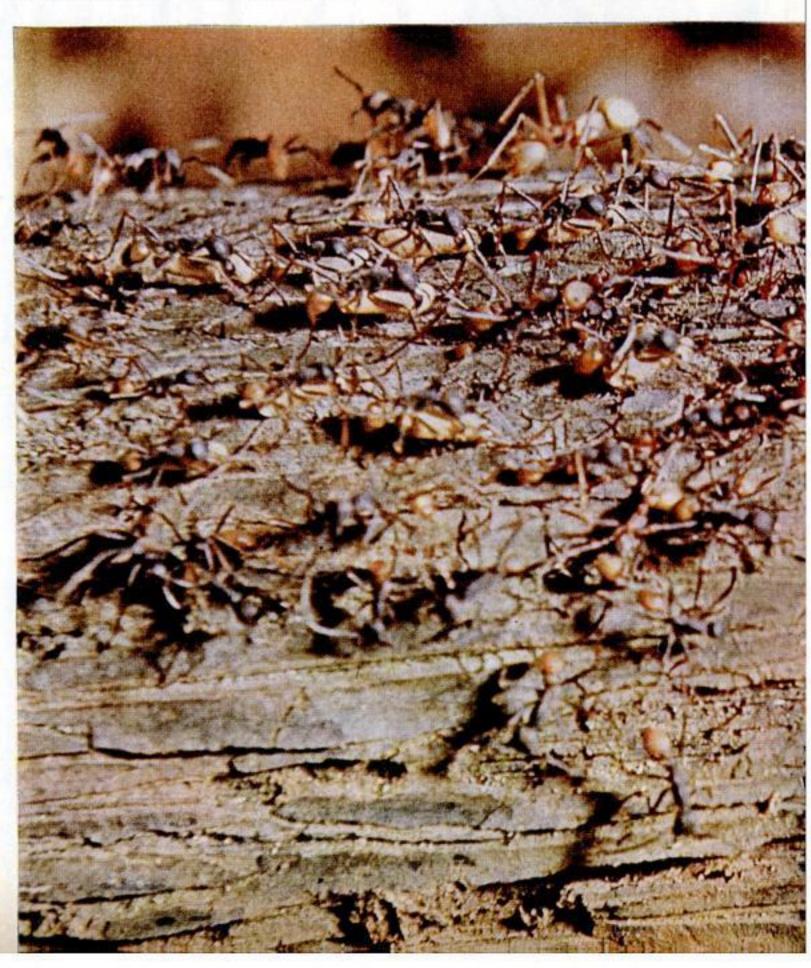
In Brazil, Darwin observed certain aspects of insect life which impressed him as dramatic instances of the endless struggle for survival in a hostile world. He noted briefly the work battalions of the parasol ants (above) and, in greater detail, the implacable game-drives of army ants (below, right). "One day," he wrote, "my attention was drawn by observing many spiders, cockroaches and other insects, and some lizards, rushing in the greatest agitation across a bare piece of ground. A little way behind, every stalk and leaf was blackened by a small ant. The swarm, having crossed the bare space, divided itself. . . . By this means many insects were fairly enclosed; and the efforts which the poor little creatures made to extricate themselves from such a death were wonderful."

In addition to the observations published in his journal, Darwin also accumulated an enormous mass of notes which he pondered and augmented for two decades following his return. Among the enigmas of nature which kindled his curiosity were the horns of the male rhinoceros beetle (above, right), a ferocious-looking pacifist which had never been seen to fight. Though it is known today that these beetles sometimes engage in courtship battles, Darwin's pursuit of the problem led him to the discovery that the horns of some species are merely ornaments, sported for sexual attraction. "This view will appear extremely improbable," he wrote in *The Descent of Man*, "but we find with many . . . fishes, amphibians, reptiles and birds, that various kinds of crests, knobs, horns and combs have been developed for this sole purpose."

Perhaps the prime example of nature's mysterious ways Darwin found in the warfare between wasps and spiders. Aware that certain wasps build clay cells as incubators for their larvae, he reported: "These cells they stuff full of half-dead spiders and caterpillars, which they seem wonderfully to know how to sting to that degree as to leave them paralyzed but alive until their eggs are hatched; and the larvae feed on the horrid mass of powerless, half-killed victims." One day in Brazil, Darwin witnessed a "deadly contest" between a spider and a wasp in quest of prey (far right). "The wasp made a sudden dash," he wrote, "and then flew away; the spider was evidently wounded. . . . The wasp soon returned, and commenced as regular a hunt as ever hound did after fox. . . . The spider was soon discovered, and the wasp inflicted two stings on the underside of the thorax. At last, carefully examining with its antennae the motionless spider, it proceeded to drag away the body." Darwin ended the story by adding cryptically, "But I stopped both tyrant and prey."



MALE RHINOCEROS BEETLE wears a set of fearsome horns apparently made for combat. Since Darwin never saw these beetles fight, he decided their horns were purely ornamental. The males sometimes do fight over females.





ARMY ANTS (below) which Darwin observed on a foraging march, here migrate with their larvae in search of a new bivouac. Governed by some deep cyclical instinct, these insects move the site of their colony every 21 to 23 days.









BATTLE TO THE DEATH takes place between a spider and a wasp. Here, as in the combat witnessed by Darwin, the attacking wasp evades the spider's legs (top), implants its deadly sting (middle), drags its paralyzed victim away.

## DISGUISE, DEFENSE, **DECEPTION**

The pressure of life in the tropics is fiercer than anywhere else on earth. Here amid the dank green colonnades, insects swarm in every niche of existence from the shadowed forest floor to the topmost spires of the canopy.

Infinitely diverse in form and habits, all have their enemies, all face death each instant in the feathered garb of some sharp-sighted, sharp-beaked bird, or in the livery of a longtongued lizard, snake or toad. To survive they have evolved a vast repertoire of visual illu-

sion, deceit, fakery and hoax.

In no other arena of life have processes of natural selection wrought greater diversity of color and form. This year Dr. H. B. D. Kettlewell, geneticist of Oxford, retraced Darwin's steps for the purpose of analyzing insect adaptations in the light of modern evolutionary knowledge. Of 5,000 insects he collected, a sampling of the most important and bizarre is presented here in paintings by Swiss artist Walter Linsenmaier.

The most universal of all insect mechanisms of defense is camouflage, or protective coloration. At far left the Stink Bug and Longhorned Beetle both blend into the lichens on the tree. So does the giant moth, Thysania Agrippina, whose 12-inch wingspread makes it the largest moth on earth. An analogous device is exhibited by three smaller moths just right of the giant's lower wing. Above them other moths and butterflies match the tree bark. Next right, a long Phasmid Stick simulates a dead twig. Below, a green moth rests virtually invisible on a living leaf of matching hue. To its right, three more moths with windowed wings imitate dead leaves with holes.

The most consummate camouflage artists of the insect world are the Brown Leaf Mantid (lower right), a carnivore seldom seen by the prey it devours; the Broken Twig Moth (top, center) which curls its wings into a single cylinder at rest; the Cossid Moth (top, right center) which looks like a fallen flower; and the Leaf Blemish Katydid (right center) whose green wings wear blotches of arboreal blight.

Such diversity of disguise derives from the variety of backgrounds provided by the Brazilian tropic forest. For many species, however, camouflage is only a primary defense. The Brown Leaf Katydid (lower right) copies a dead leaf to perfection, but when discovered it unfurls its wings, startling foes with a sudden fluttering flash of color (far right). The Tan Camouflaged Saturnid Moth (upper right) resembles a faded leaf at rest; when threatened it displays alarming bloodshot eye spots which startle and repel inquisitive birds. The Red-Flash Grasshopper below employs a similar two-phase defense of flash coloration and camouflage.

Quite different is the defense mechanism inherent in the garish warning colors of certain unpalatable insects endowed with nauseating odor and taste-the Red-bodied Foulsmelling Moth and Yellow-winged Warning Moth (top, right). Any bird that tastes them once will seldom sample them a second time.



LICHEN-COLORED STINK BUG

**WORLD'S LARGEST MOTH** 

DISRUPTIVE WHITE-MARKED MOTH, WINGS FOLDED TRIANGULAR-WINGED DISRUPTIVE NOCTUID MOTH



DARK-SPOTTED TWIG-HOLDING MOTH EAF HOPPER GRAY SPHINX HAWK MOTH

BROWN LEAF MANTID

WEDGE-SHAPED MOTH, ON TWIG GREEN LEAF BLEMISH KATYDID BROWN LEAF KATYDID

TAN SATURNID MOTH, CAMOUFLAGED BRIGHT TROPIC BEE

YELLOW AND BLACK FLASH MOTH

YELLOW-WINGED WARNING MOTH RED-FLASH GRASSHOPPER BROWN LEAF KATYDID IN FLASH DISPLAY SNOUTED MOTH HAIRY-BODIED MOTH



BIG-WINGED MASKED LANTERN BUG
BLACK AND YELLOW GRAY HAWK CATERPILLAR MALE WHITE BUTTERFLY ORANGE AND BLACK

GOLD-MARKED WARNING SYNTOMID MOTH YELLOW WARNING GEOMETRID MOTH AY HAWK CATERPILLAR MALE WHITE BUTTERFLY ORANGE AND BLACK LEAF HOPPER FEMA
RED AND BLUE LEAF HOPPER YELLOW-SPOTTED BLACK LEAF HOPPER
TWO-SPOTTED SYNTOMID MOTH
HEADLAMP CLICK BEETLE

FEMALE WHITE BUTTERFLY TRICOLORED LYCORID
ORANGE-WINGED MYDAS FLY
MOTH ORANGE-WINGED
GRAY TWO-SPOTTED ARCTIID MOTH



BLUE MORPHO BUTTERFLY

TRICOLORED DISTASTEFUL MODEL BUTTERFLY

WAXY-STREAMERED CICADA

HORNED TREE HOPPER

BUTTERFLY TRICOLORED DISTASTEFUL HELICONIAN BUTTERFLY TRICOLORED NYMPHALID BUTTERFLY PEPSIS WASP

TRICOLORED MELINIID BUTTERFLY TRICOLORED MECHANITIS BUTTERFLY TRICOLORED EUEIDES BUTTERFLY KNOBBED MEMBRACID BUG

CRESTED TREE HOPPER

RED-BEAKED TRUE WASP RED-BEAKED WASPLIKE SYNTOMID MOTH RED-WHITE-BLACK SWALLOWTAIL BUTTERFLY BLUE-BLACK TARANTULA HAWK WASP ORANGE-BANDED WARNING SYNTOMID MOTH

BLUE-BLACK ASSASSIN BUG ANTLIKE BUG ORANGE-BANDED WARNING LYCID BEETLE ORANGE-BANDED LONG-HORNED BEETLE

THORNLIKE TREE HOPPER



LARGE JEWEL BEETLE
PRAYING MANTID
DISRUPTIVE-STRIPED NOCTUID MOTH

WAVY-PATTERNED BUTTERFLY

BROKEN TWIG MOTH, WINGS FOLDED GREEN SPHINX HAWK MOTH FLOWERLIKE COSSID MOTH
HUGE BROWN PHASMID STICK INSECT

RUST AND WHITE PYRALID MOTH GREEN-SPOTTED GEOMETRID MOTH GREEN AND YELLOW VARIEGATED I
GIANT GRAY HAWK MOTH

DISRUPTIVE-PATTERNED COSSID MOTH, WINGS FOLDED

GREEN AND WHITE PATTERNED MOTH

FOUR-SPOTTED LEAFLIKE MOTH

WINDOW-WINGED MOTH



SPIDERLIKE MOTH KNOB-LEGGED GNATLIKE MOTH

GIANT HORNED BEETLE

SCORPION-TAILED MOTH WEEVIL-LIKE MOTH GRAY-WINGED BEETLELIKE MOTH PALE BUGLIKE MOTH LEAF-LEGGED SQUASH BUG

PALE BUGLIKE CICADA HAIRY BLUE-GREEN NOCTUID MOTH HORNED SCARAB BEETLE

DARWIN CONTINUED

## MUMMERY, **MIMICRY** AND MASKS

In the tangled mazes of the forest the simpler arts of camouflage shown on the preceding pages cannot alone protect the insect populations from their alert and ever-hungry foes. But nature's ingenuity is limitless; hence bolder strategies-tricks of mimicry and mummery -have been devised.

Impersonation of other living creatures represents a subtler form of masquerade than imitation of a leaf or flower. In the center of this painting a swarm of black and orange butterflies flickers amid the foliage. Although they look essentially alike, they belong to different species and even different families. The two topmost specimens, the Distasteful Heliconian and the Distasteful Model butterflies, are unpalatable to predators. Others are relatively edible but wear the same warning colors as their unappetizing models, seeking safety in similitude. But paradoxically the Male White Butterfly (left) lacks the protective coloration of his mate. Other creatures which sport orange and black uniforms to warn enemies away include the moths in the lower left corner, and the caterpillar just above them.

An elaboration of this tactic is employed by insects which impersonate members of completely alien and usually dangerous orders. Thus of the two big orange and black insects perched on leaves below the butterflies, the one at left is a harmless Mydas Fly, the other a Pepsis Wasp which can defend itself with a venomous sting. Hovering at their right are another wasp and its mime, a wasplike Syntomid Moth. At the bottom of the painting, the three similar orange and black insects are all of different families, a fragile moth and its hard-shelled models-two carnivorous beetles.

More exotic forms of mimicry appear in the cluster of insects on the tree in the upper right corner: moths masquerading variously as a spider, a weevil, a beetle and a scorpion.

Transcending mimicry, some insects have evolved features dramatically designed to inspire fear, like the eye spots displayed by the four small creatures at lower left, most notably the Headlamp Click Beetle whose pseudo eyes are luminous at night. Still fiercer-looking adaptations are seen in the armaments of the Giant Horned Beetle and the Horned Scarab Beetle (lower right) which are used in courtship battles and may also frighten predators.

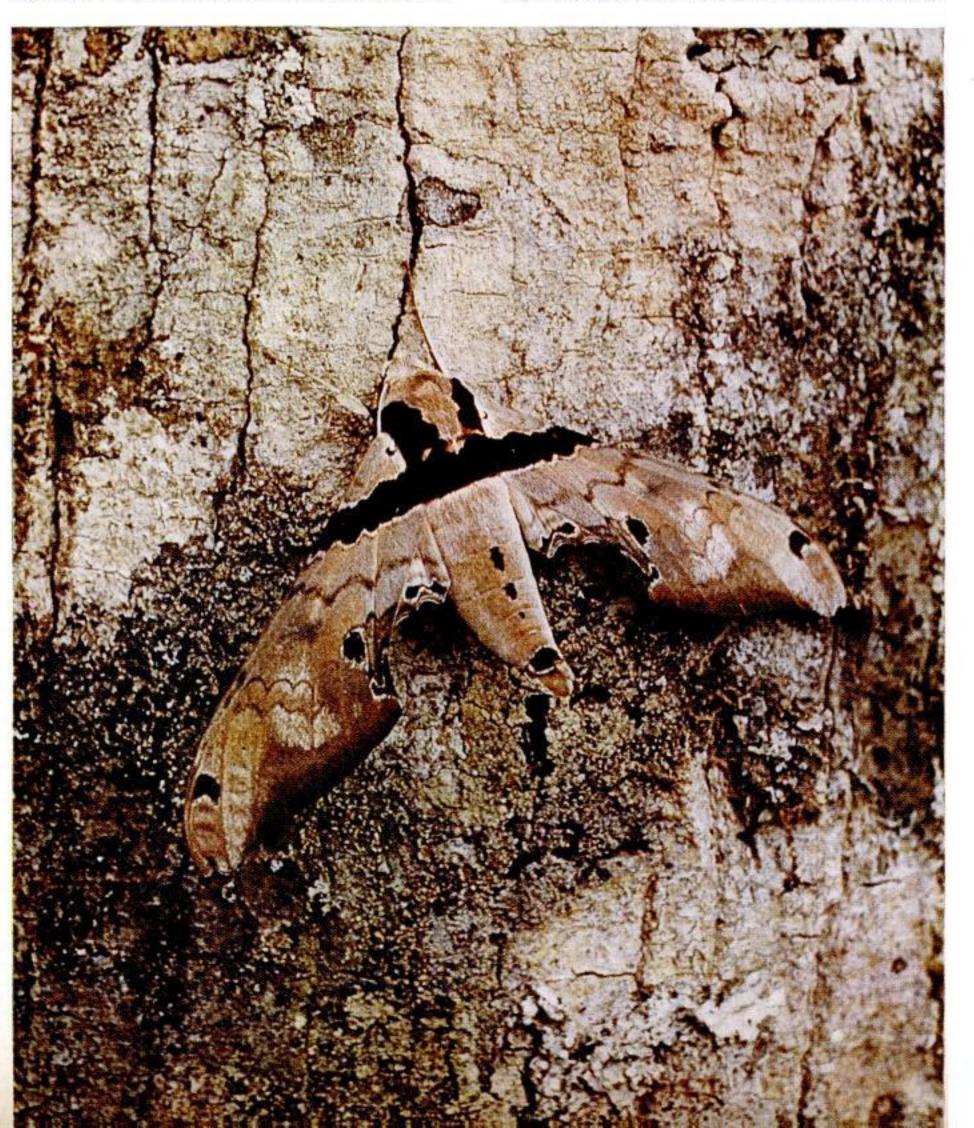
The ultimate in horror defense, however, is worn by the Lantern Bug in the upper left corner. At rest this harmless creature is inconspicuous. In flight it exposes huge eye marks on its hind wings and its hideous head appears -a grotesque mask bearing the likeness of a tiny alligator complete with ravening teeth. As a final defense its body is coated with distasteful wax. Repellent white streamers of wax also protect the cicada flitting at upper right center.

By contrast the blue of the Morpho Butterfly, above, safeguards its fragile body not from predators but from heat, by reflecting ultraviolet wave lengths from the sunlight gilding the higher pavilions in which it dwells.



SPHINX MOTHS rest motionless on trees by day, camouflaged by disruptive markings which blend with the bark. The moth above depends on

coloration alone. The one below has other lines of defense: hidden underwings which flash a danger signal and leg spurs which can inflict a sharp sting.





# PERFECTION OR DEATH

The perfection of camouflage evolved by forest insects to fool their enemies enabled many of them also to evade Darwin's eye. Today, with new techniques, scientists can study even such self-effacing creatures as the moths and caterpillars shown here. To collect nocturnal insects Dr. Kettlewell used a mercury vapor lamp (see next page), whose ultraviolet radiation attracted thousands every night.

The evolutionary interest of the Brazilian jungle lies in the fact that it has existed without gross environmental changes since prehistoric times. Here the laws of natural selection have operated for millenniums, unaffected by the ice ages. The intensity of competition, moreover, has produced perfection in every artifice of mimicry and illusion. Since a single flaw means sudden death, survival of the fittest means survival of the craftiest, shyest and most artful in this murmurous, implacable domain.



CAMOUFLAGED CATERPILLAR feeds clinging to the underside of a leaf. Its protective pattern of diagonal stripes and random splashes of blue-green and white reproduces the effects of light and shadow in the dappled foliage of

the deep forest. This photograph and those on the following page were taken in Brazil by Dr. Kettlewell. The problem of illuminating small, hidden creatures in their dark places of refuge was resolved by the use of large mirrors.



ACROBATIC MOTH disguises itself by throwing its abdomen over its head, thereby giving itself a most unmothlike appearance. No less than color, the position in which an insect spends the daylight hours is a factor in survival.

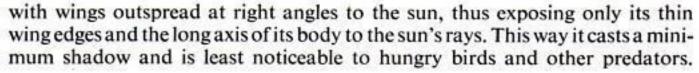


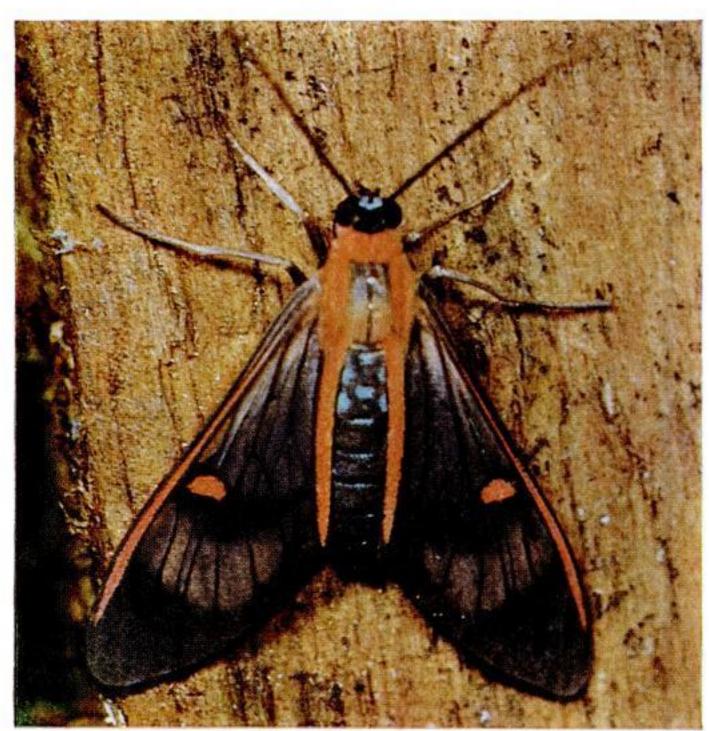
PSEUDO SPIDER is actually a species of hairy caterpillar equipped with eight false leglike appendages which if nipped off by some predator soon grow back. Confident in its disguise, it sits exposed by day on top of leaves.

CONTINUED



ORIENTATION TO SUN is a protective mechanism employed by some insects in the tropic forest. Here a Draconia moth rests in its daytime hiding place. Instead of sitting with folded wings, like most moths, it stands erect





GAUDY COLORATION instead of concealing patterns is often employed by unpalatable insects like this Syntomid moth. Bright colors can protect a species by warning predators that the taste is nauseating or the smell is bad.



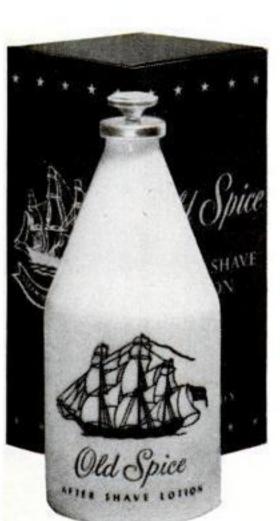
LONG WING-TAILS worn by this dawn-flying silk moth produce a slight rustling noise in flight. Dawn-flying bats, hunting by reflected sound, probably seize the tails, ripping them off, thereby permitting the moth to escape alive.





Captain L. J. Alexanderson, Executive Officer of the S. S. United States, U. S. Lines

# Men who sail the seven seas choose the protection of



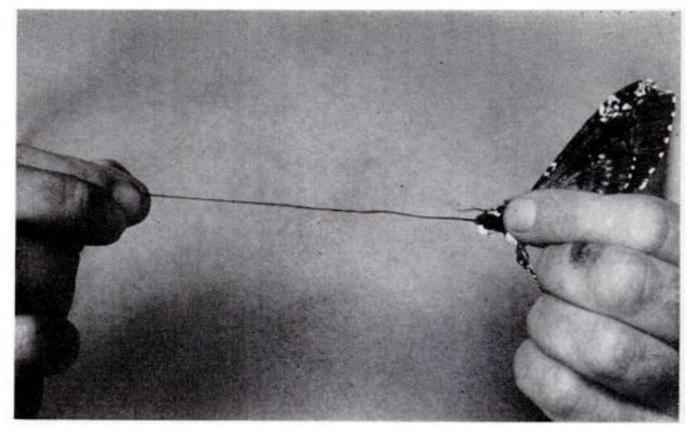
Selected by the U.S. Government for showing at the World's Fair in Brussels

# Old Spice AFTER SHAVE LOTION

### Now with <u>extra emollients</u> to keep your skin healthy!

Follow the lead of the seafaring men who face winds and weather daily. Protect and refresh your face with Old Spice After Shave Lotion. <u>Good</u> for your skin: stimulates to a healthy glow, contains <u>extra</u> emollients to guard against loss of vital skin-moisture. It <u>feels</u> good! Clean. Fresh. Brisk. With that tangy Old Spice scent. Try it—happiest ending a shave ever had!

SHULTON



SIX-INCH TONGUE is extended by Hawk moth in hands of Dr. Kettlewell. An example of extreme specialization, this moth feeds on the nectar of nightshade flowers. In repose it curls its tongue in a spiral below its face.

## EARLY EVIDENCE, A LATER THEORY

In the long labor of creative thought that produced *The Origin of Species*, Darwin's visit to Brazil lingered in his mind like the opening sonorities of a symphony, a blend of brilliance and splendor whose individual motifs would only be untangled by future contemplation. It is evident in the contrasting passages of his early and later writings that his first dazzled entry into a lavish, new and complex domain of nature afforded him inspiration no less crucial than the insights he acquired from the sparse, insular fauna of the Galápagos. For in the lush Brazilian forest he viewed richer and more diverse forms of life, more extreme patterns of specialization and behavior than may exist anywhere else on earth.

In the Voyage of the Beagle, published only a few years after his return, Darwin wrote purely as a keen-eyed and sensitive naturalist, imbued with the beauty and wonder of what he saw: "The day was powerfully hot, and as we passed through the woods, everything was motionless, excepting the large and brilliant butterflies that fluttered lazily about [p. 55]... Various cicadas and crickets keep up a ceaseless shrill cry. Every evening after dark this great concert commenced; and often have I sat listening to it, until my attention was drawn away by some curious passing insect." Then later on, noting the mutual attraction between certain plants and insects, a phenomenon he had also observed in England, he wrote this portentous sentence: "We see here in two distant countries a similar relation between plants and insects of the same families, though the species of both are different."

Twenty years later, in *The Origin of Species*, Darwin set forth in detail the inferences he had drawn from his initial, fragmentary impressions of the insect world of Brazil. "Insects," he wrote, "often resemble for the sake of protection various objects, such as green or decayed leaves, dead twigs, bits of lichen, flowers, spines, excrement of birds, and living insects. . . . The resemblance is often wonderfully close, and is not confined to color, but extends to form, and even to the manner in which the insects hold themselves [p. 65]. . . . In all the foregoing cases, the insects in their original state no doubt presented some rude and accidental resemblance to an object commonly found in the stations frequented by them.

"Assuming that an insect originally happened to resemble in some degree a dead twig or a decayed leaf, and that it varied slightly in many ways, then all the variations which rendered the insects more like any such object would be preserved, whilst other variations would be ultimately lost; or if they rendered the insect less like the imitated object, they would be eliminated. . . . Insects are often preyed on by birds and other enemies, whose sight is probably sharper than ours, and every grade in resemblance which aided an insect to escape notice or detection would tend toward its preservation; and the more perfect the resemblance so much the better for the insect."

Here, in essence, is Darwin's explanation, which still holds true today, of the diversity of insect life in the Brazilian forest and of the process of natural selection which brought it about. Nowhere else in the world, not even in Africa, have insects diversified into so many

CONTINUED

....

# NEW, EASY TO PLAY, VERSATILE, EXCITING... AND BEST OF ALL...WORTHWHILE!



A full-voiced organ so refreshingly easy to play you don't need lessons.

A richly-toned organ that replaces difficult left-hand chords with simple buttons you press with one finger.

An unusual instrument that makes complex rhythm patterns as easy as tapping your toe.

So versatile that a whole music library was developed to go with it . . . and music publishers have issued nearly 3000 song titles scored especially for it.

So sociable that thousands of owners have formed clubs so they can enjoy it together.

So filled with music that it can sound like more than thirty different orchestral instruments.

So worthwhile you can find pleasure and accomplishment in it for a lifetime.

And what a wonderful gift it will be for the whole family! So why not see (and play) this remarkable Hammond Chord Organ . . . at your Hammond dealer. Soon.

#### Here's what happens when you see your dealer

You'll play a complete tune with two fingers . . . and it'll sound



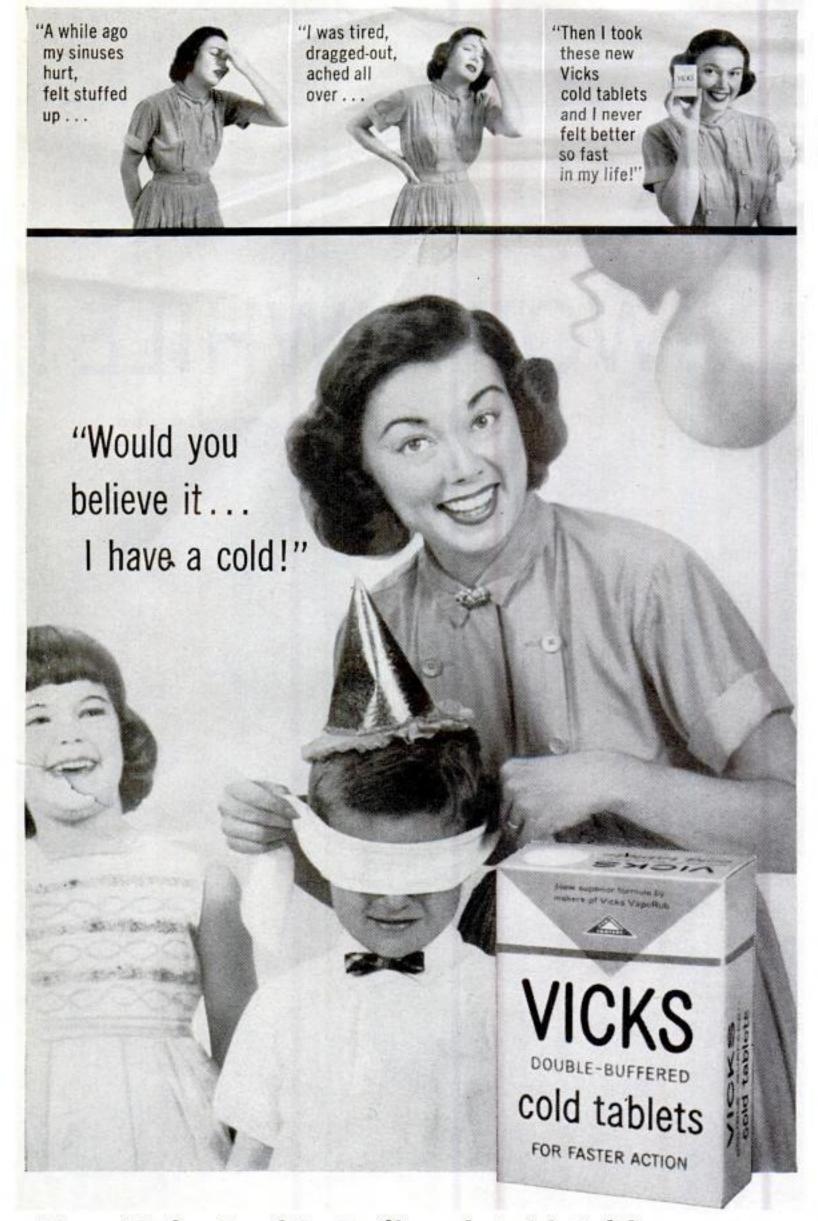
wonderful. One finger
plays the melody...one
finger presses buttons
to play full chords. Your
foot resting on a pedal
automatically produces

just the right bass (a Hammond exclusive). Special Hammond "Picture Music" shows you exactly what to do, if you don't read music. You play a complete tune, melody, chords and all, the first time you try. Try it soon.

Easy terms: about \$97.50 down and \$29.50 a month at most dealers

### HAMMOND CHORD ORGAN

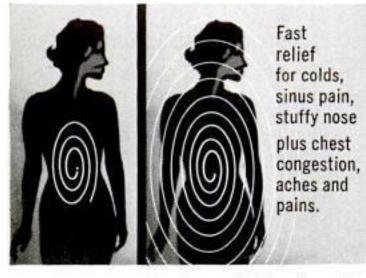
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me ho	send new "Happy Home" booklet and tell w to get free LP Record of Hammond Chord Music.
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New Vicks Double-Buffered Cold Tablets act to relieve colds, sinus pain

# 53% faster

than other leading antihistamine cold tablets



While the other leading antihistamine cold tablets are only partially at work . . .

New Vicks Double-Buffered Cold Tablets have already rushed cold-and-sinus pain relievers into the body 53% faster.

- 1. Double Buffered for faster action . . . cold-and-sinus pain relievers rush into the body 53% faster than those of other leading antihistamine cold tablets tested. Proved at a famous university!
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- 3. Pick you up fast . . . relieve that tired, dragged-out feeling of a cold with two stimulating "pick-up" medications.



Vicks DOUBLE- cold tablets

### ACKNOWLEDGMENTS

LIFE is indebted to the following scientists for assistance in the preparation of this essay: Dr. H. B. D. Kettlewell, Genetics Laboratory, Oxford University, England; Dr. José Cândido de Melo Carvalho, director, and Drs. Berta Lutz, Paulo de Miranda Ribeiro and Alfredo Rego Barros, Museo Nacional, Rio de Janeiro; Dr. Antonio Augusto Xavier, director, and Drs. Lauro Travassos, Angelo Moreira da Costa Lima of the Instituto Oswaldo Cruz, Rio de Janeiro; Dr. Paulo Emilio Vanzolini, University of São Paulo; E. P. Wiltshire, British Consul, Rio de Janeiro; and Dr. S. Dillon Ripley, Yale University, New Haven, Conn.

### DARWIN CONTINUED

species; nowhere else have they evolved more polymorphisms (speci forms within species); nowhere else have they invented more varieties of specialization and disguise.

Today scientists can explain some of the reasons for the profusio and extreme specialization of insect life in Brazil. One reason is to diversity of plant life. Here in an equatorial climate, untouched great climatic fluctuations either today or in the ancient past, the primeval forest has flourished for millions of years, without interference save that of the casual, destructive hand of man. Today the eastern Brazilian jungle alone encompasses more than 400 species of trees, each with a different trunk texture or color, some brown, some red, but most of them white, as Darwin observed. Each trainas four zones of sanctuary against which camouflaged insects may rest during the daytime hours-trunk, branches, leaves and buds-thus affording 1,600 different types of background.

Within the jungle there also exist 300 different species of birds, many of them insectivorous, as well as lizards, snakes, monkeys and other insectivores which hunt by sight. It is because of this diversity of background sanctuary and diversity of predators that the insects of Brazil have specialized with such evolutionary perfection.

Darwin, lacking the tools of modern entomology (p. 67), could not fully appreciate the enormous complexity of the forest's winged and crawling life. Nevertheless Brazil provided him with a treasure trove of material, however intricate, which ultimately guided his thought to the theory of natural selection. From his observations he drew the very heart of his argument.

"Can it be then," he asked in The Origin of Species, "that variations useful in some way to each being in the great and complex battle for life should occur in the course of many generations? If such do occur, can we doubt (remembering that many more individuals are born than can possibly survive) that individuals having an advantage, however slight over others, would have the best chance of surviving and procreating their kind? On the other hand we feel sure that any variation in the least degree injurious would be rigidly destroyed. This preservation of favorable individual differences and variations and the destruction of those which are injurious I have called Natural Selection or the Survival of the Fittest. . . . Man can act only on external and visible characters; Nature, if I may be allowed to personify the natural preservation or survival of the fittest, cares nothing for appearances, except insofar as they are useful to any being. She can act on every internal organ, on every shade of constitutional difference, on the whole machinery of life. Man selects only for his own good; Nature only for that of the being which she tends."

### NEXT IN THE SERIES

### Animals of a Lost World

The fossils of South America gave Darwin his first premonitions of evolution. "It is impossible," he wrote, "to reflect on the changed state of the American continent without the deepest astonishment. Formerly it must have swarmed with great monsters." Part IV of this series will show:

- The ancestral animals of South America
- The great migration from the North
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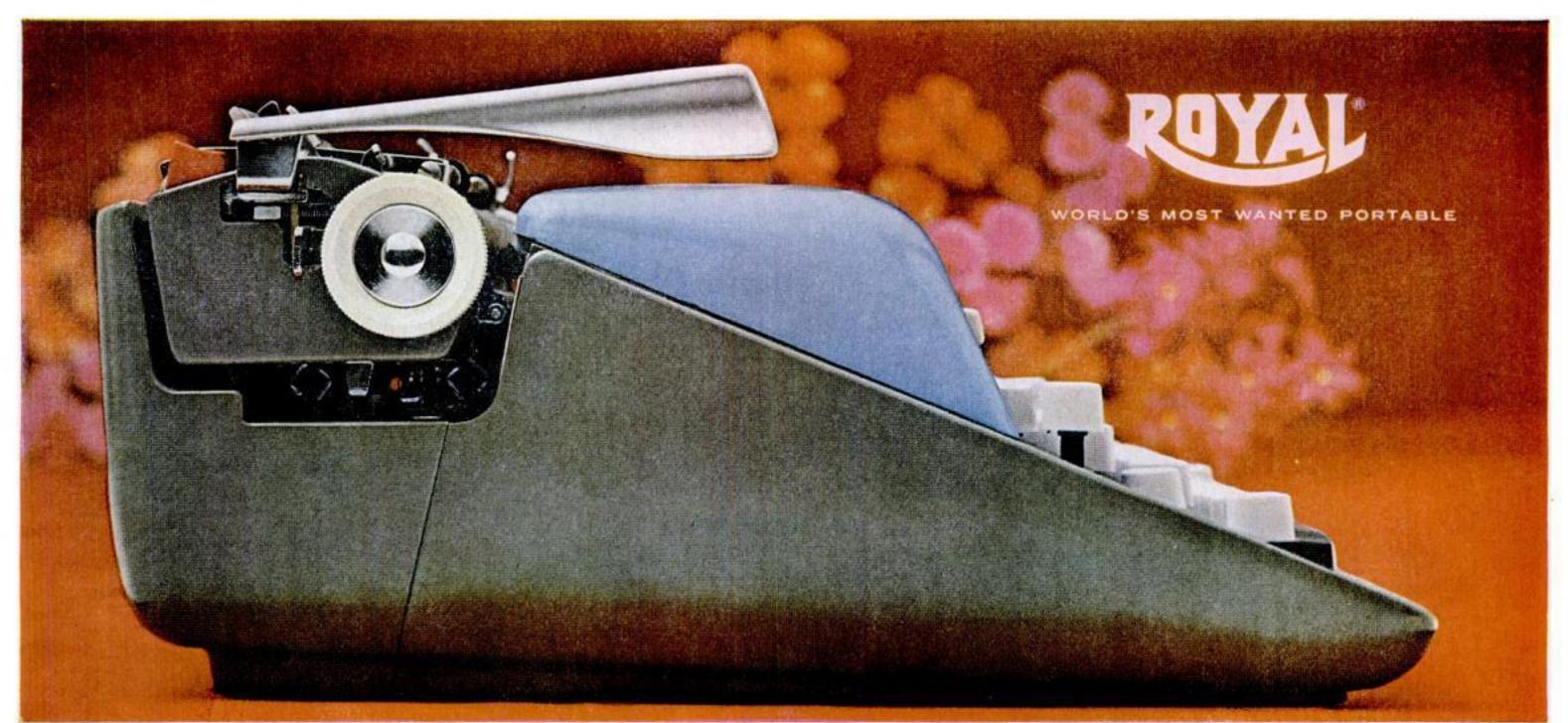
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# Bites through snow that's ALL-NEW SUBURBANITE BY GOODYEA

This is the track of the greatest winter tire made—the all-new Suburbanite by Goodyear.

Goodyear engineers designed this diamond anniversary Suburbanite tire to provide DYNAMIC TRACTION . . . extra grip under power. This "power" traction gets today's

high-torque cars through snow—even if it's hub-cap deep!

Tested and proved up near Hudson Bay, this amazing all-new Suburbanite gives you up to 51% better traction in deep snow . . . up to 17% better traction in mud!

This greatly increased pulling power an-

swers your winter driving worries -snow-covered hills, steep driveways, slippery spots, snowed-in parking places.

What's more, the all-new Suburbanite is designed to ride quietly on dry pavement and deliver longer mileage than ordinary winter tires. In fact, its tough tread and



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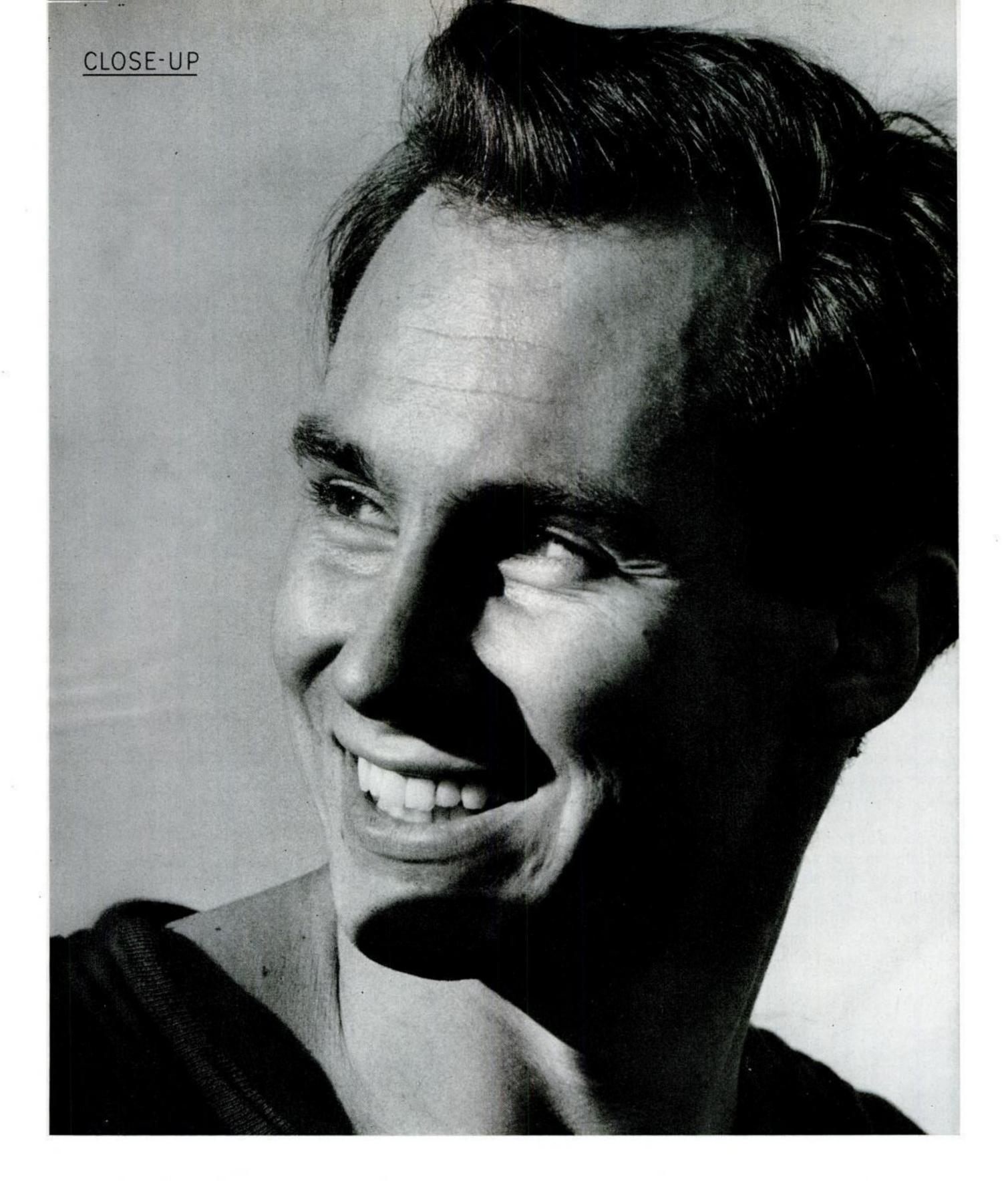
Pine trees after a rain...fresh-washed and wonderfully clean...that's how sparkling fresh and fragrant Pine Fresh Dutch Cleanser will make your kitchen!

# Pine DUTCH CLEANSER Fresh DUTCH CLEANSER

# brings outdoor freshness into your kitchen!

New! The fastest, most effective cleansing action ever—plus a wonderful, clean, fresh fragrance!

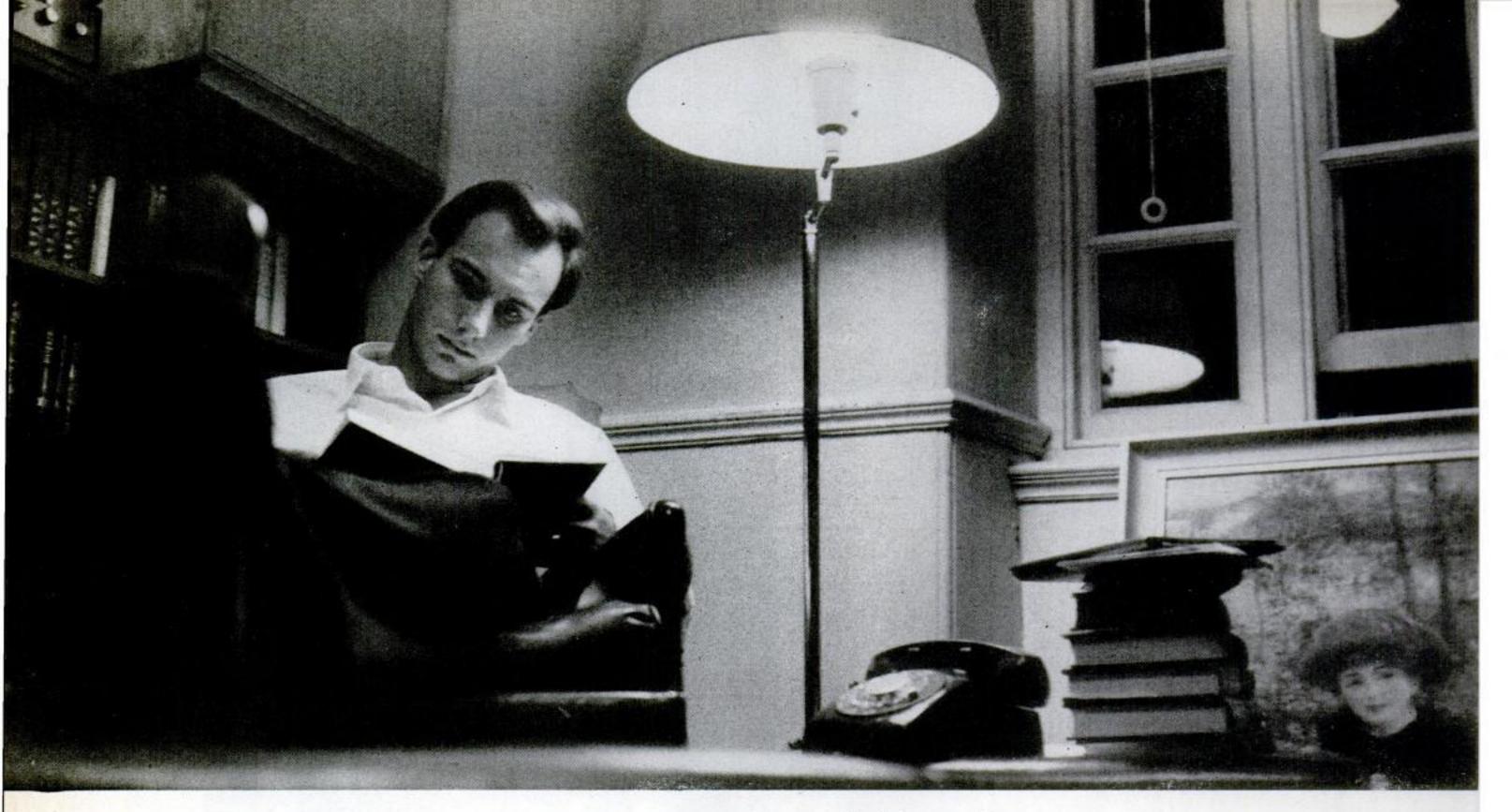
Pine Fresh Dutch Cleanser is the only cleanser that freshens up your kitchen as it cleans! And, it cleans better than any cleanser you've ever used—because it removes all kitchen stains—instantly! It's the smoothest, speediest, bleachingest cleanser ever! Everything about Pine Fresh Dutch Cleanser is new! New easy-opening top means no holes to punch—just pull the tape and use! The new slim foil-wrapped can is a real space-saver. Bring outdoor freshness into your kitchen! Get all new Pine Fresh Dutch Cleanser today!



# KHAN OF HARVARD: 'A Warm, Happy Place'

OMING back to school, with a year of travel behind me, I'm driven by a desire to know more. This is a warm and happy place when it is your last year and you know what you want."

The speaker was a dark, engaging senior known to his Harvard classmates as "K" and professors as "Mr. Khan." His given name is Karim. The "year of travel" he alluded to with characteristic understatement was a year in which he had postponed his college career to take over his duties as the fourth Aga Khan (Honorable Chief) and Imam (Spiritual Leader) of 20 million members of a worldwide religious sect called the Ismaili. The sect, a community of merchants more well-to-do than their 400 million fellow Moslems, this year may contribute \$100 million to the sweat-shirted young man above. He will



#### KHAN OF HARVARD CONTINUED

turn back most of this as loans and welfare projects, following a system set up by his grandfather, the fabulous Aga Khan III who died last year.

Though all this makes Prince Karim one of the world's richest businessmen, it wouldn't necessarily make him a big man at Harvard. He has become one, however, because of his brains (he is an A student), his brawn (he is outside left on the varsity soccer team) and his quiet ability to make friends ("I am not precisely timid—friendship is inevitable for me.").

Deadly serious about his high role, modest about his wealth ("What I really inherited were all the mosques and burial grounds"), Prince Karim has not only won over his classmates, who call him a "good guy" but has handled his ticklish public relations with rare taste. Of girls (his grandfather had four wives, his father two) he maintains a rigid silence except for saying, "I thank God for women."



WITH Mme. Beguel, his grandfather's secretary, he goes over affairs of state at a Cambridge hotel.

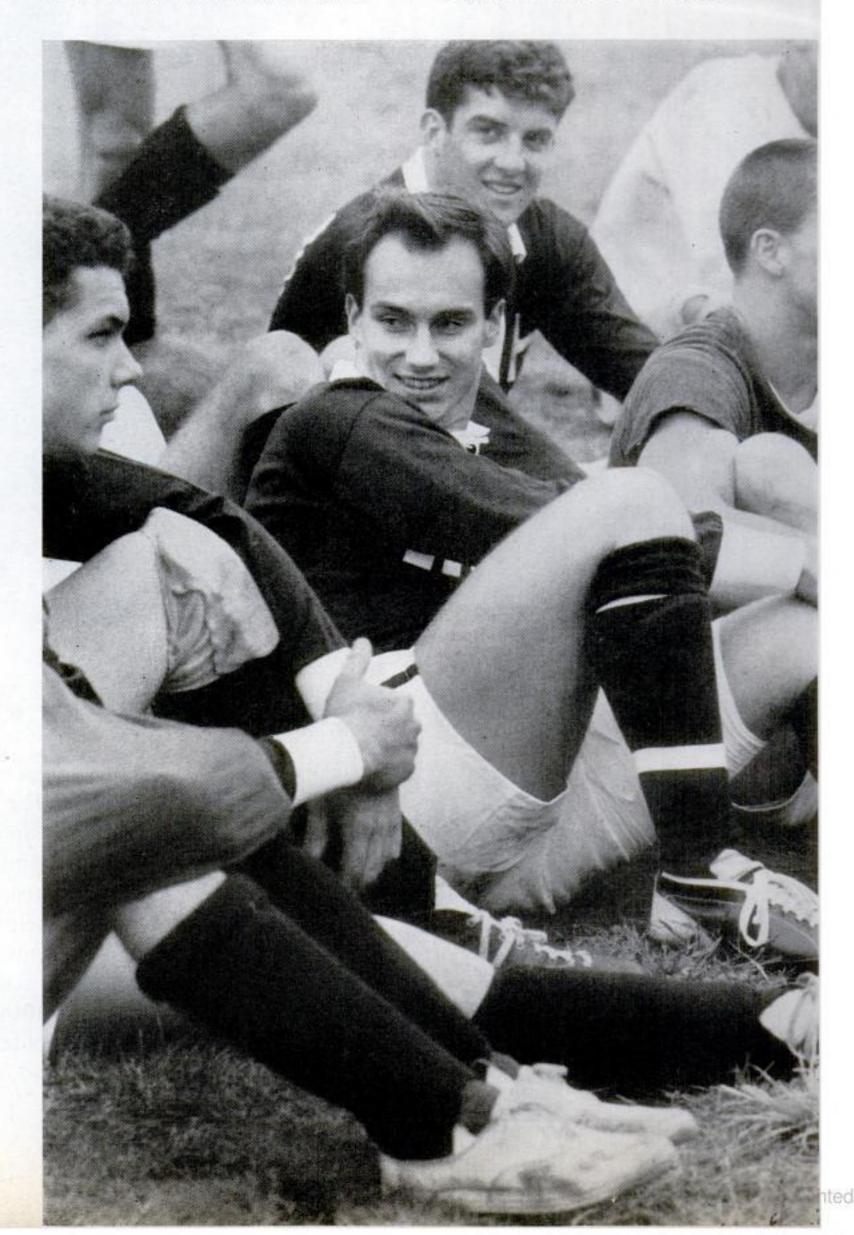
We get messages from anywhere—Bombay to Zanzibar to Zurich. People all over send me regular reports. But I must make the final decision.

KARIM studies in Leverett House room. At right is print he bought for \$20.

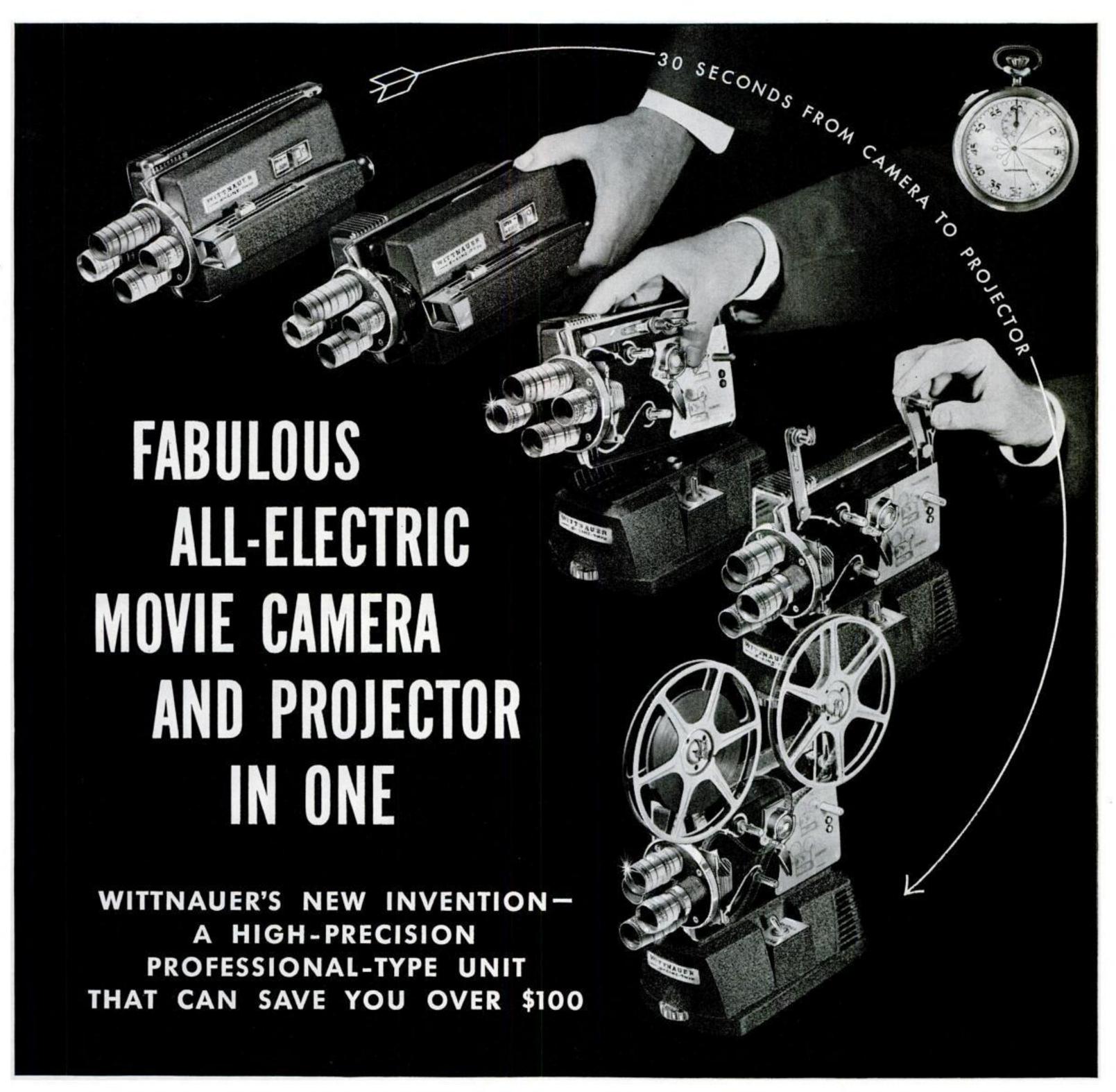
Now everything else must be pushed out of mind. It may be raining out but I don't know it. After a coffee break around midnight I can go back to my room and hit the books till 2 or 3.

WITH soccer teammates "K" listens to chalk talk before varsity game.

\*I can't imagine myself without athletics. We push, shove, laugh, cry out for a goal and everyone knows a sense of life. We are there to win. After all that you think better.



76 CONTINUED



#### WITTNAUER CINE-TWIN

Here is the amazing new Wittnauer Cine-Twin that you have heard about. This fabulous professional-type all-electric movie camera and projector combination can save you over \$100 as compared with separate units of equal quality. (Take the Cine-Twin professional-type camera. It's battery driven; no springs to wind—you can take a full reel and even get into the action yourself. A few of the other exclusive features: a true turret; an oversized optical zoomfinder; a lifetime safety-signal indicator which constantly monitors the camera's electronic circuit. You

experience the thrill of taking fascinating professional-quality home movies—steady, flickerless, brilliant in color, correct in speed. A graphic color-coded exposure system guarantees perfect shots. (In 30 seconds your Wittnauer Cine-Twin converts from camera to compact, high-precision projector—ready to regale you with perfectly beautiful, brilliantly colored, flickerless home movies. (I) But, truly, words cannot describe this amazing all-electric movie camera-projector combination. We urge you to see the Wittnauer Cine-Twin for yourself. The price

complete, ready to take and show movies, with f/2.5 standard taking lens and f/1.6 projection lens—\$169.50. Telephoto and wide-angle accessory lenses are available at nominal extra cost.

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#### KHAN OF HARVARD CONTINUED



UNRECOGNIZED straphanger, Aga Khan IV takes the subway from Harvard station into Boston.

\*\*It's one of those rare times when I can be like everyone else. In Paris I wouldn't dare step into the Metro, Here nobody stares at me."

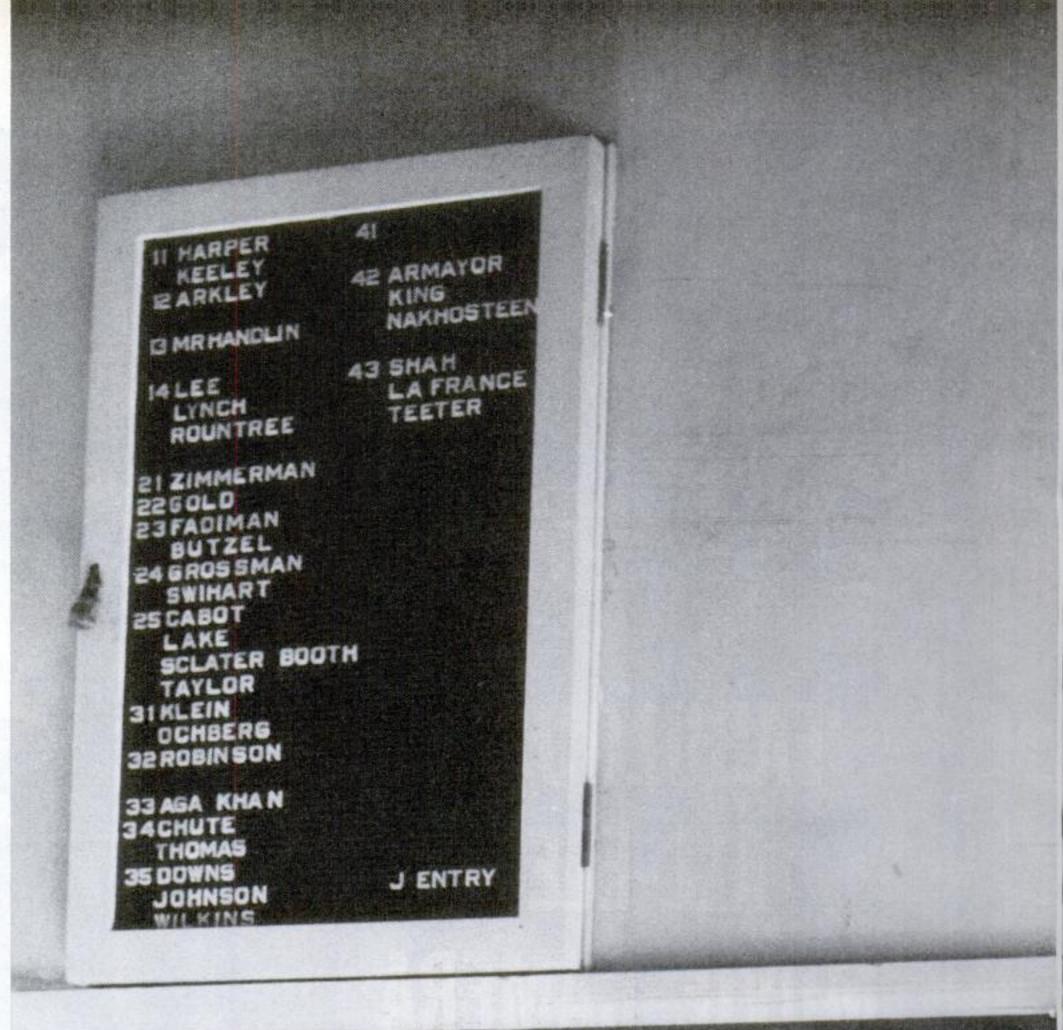


WITH his English press aide, Michael Curtis, he walks to classes in the Harvard Yard.

\*I lived here as a freshman. There was always something going on . . . the way the light hits the trees in the fall, the sound of doors slamming in the early morning, the look of a professor moving in a world where he wrestles with problems.

Before mailboxes (note name on student directory above) he happily opens morning post.

66 Mail can send my mood up or down. When letters say things are working well, that the efforts of the community are going ahead, my day is made.







A dramatic ceiling drapery treatment inspired by richly-textured, no-iron Fiberglas bouclé. This new tile pattern is called MONKS. About \$6.00 a yd.



Warmth and color brought to a library with ORLANDO . . . a handsome drapery of a new no-iron Fiberglas fabric. About \$10.00 per pair ready-made.



A dining room becomes serene and inviting with INDIAN SUMMER, a magnificent new modern leaf design on no-iron Fiberglas with a heavy bouclé texture. About \$5.00 a yd.



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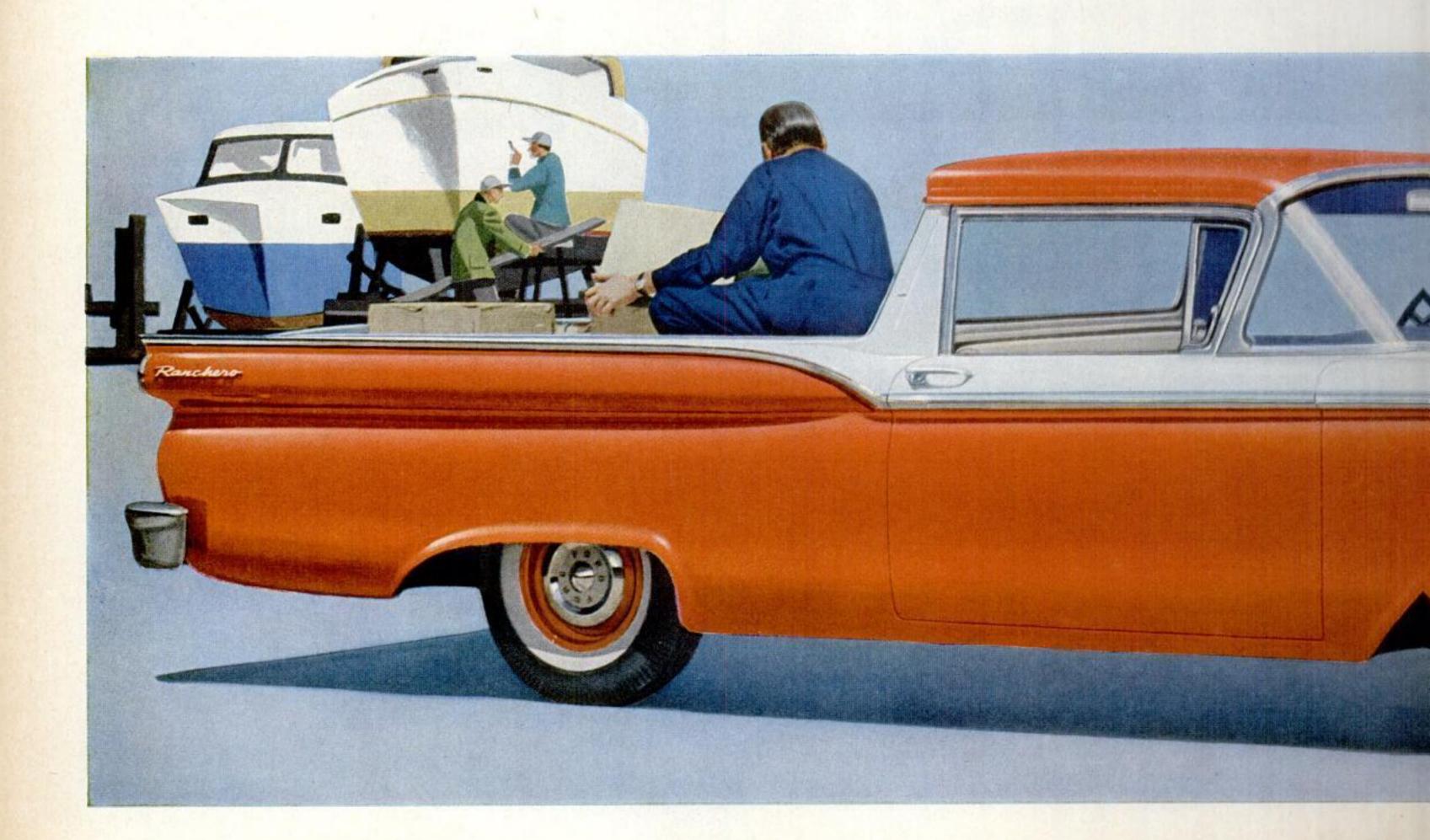
makes the fibers, not the fabrics

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A WORKHORSE WITH A LOAD! The Ranchero hauls more than many standard pickups—double-walled steel body gives extra strength and ruggedness! Loads of loadspace—over eight feet with tailgate lowered!

# NOW...GO FORD-WARD NEW'59 FORD

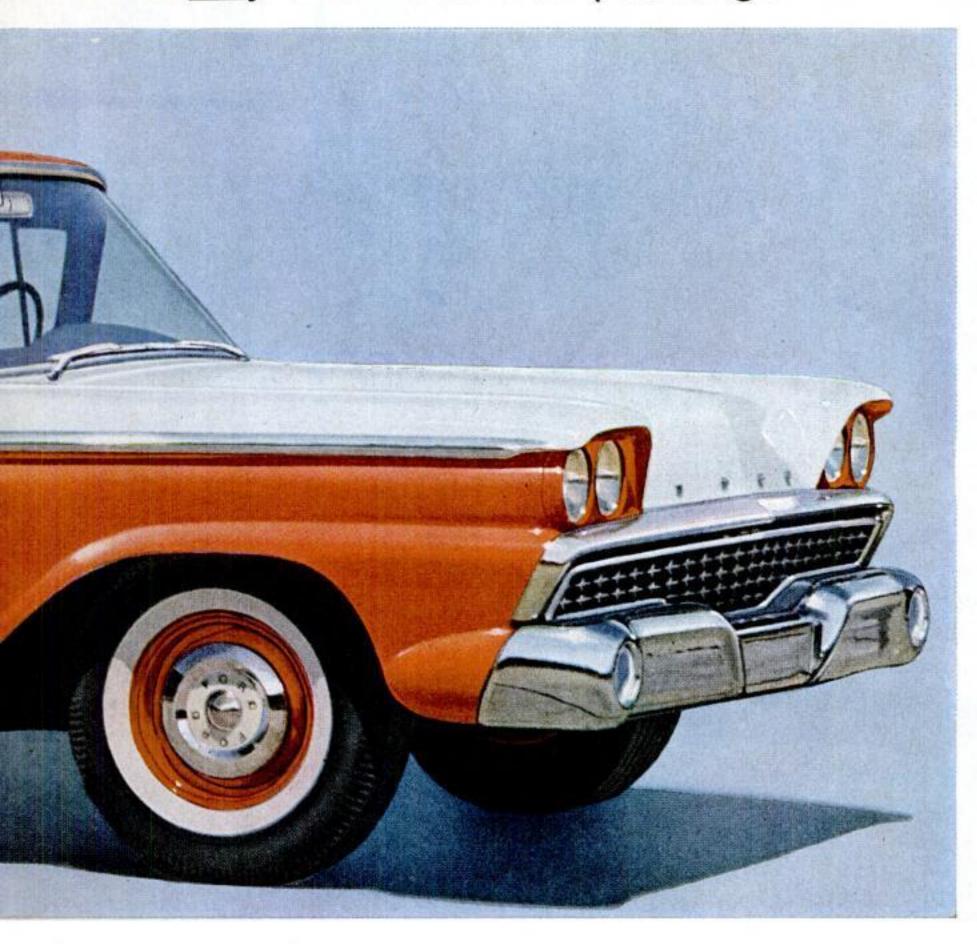




A SHOW HORSE ON THE ROAD! Exactly like a fine passenger car—from grille to thrill! Choice of two power-packed V-8's or economical Six—all Short Stroke . . . four transmissions . . . all power options: steering, brakes, windows—even air conditioning is available if you wish!

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Put your best foot Ford-ward in the most dramatically different pickup ever designed! It's a husky workhorse that handles half-ton loads like a breeze; it's a high-stepping show horse with passenger-car ride and handling ease!

Whether it's a heavy load of freight or a special dinner date, the Ford Custom Ranchero is excellent for both. Ball-joint front suspension and variable-rate rear springs give you passenger-car ride, loaded or light. And never was a pickup cab so luxurious—exactly like the '59 Ford cars!

For '59, there's increased visibility with a 20% bigger windshield, bigger loadspace, greater fuel economy, improved Lifeguard safety features, increased body strength, and new ride stabilizers for greater comfort and surer handling! Plan now to see and drive the Ranchero—America's first work-orplay truck—at your local Ford Dealer's!

Every Ford has SAFETY GLASS in every window

Go Ford-ward for style, savings, too!

# FORD TRUCKS COST LESS

... less to own ... less to run ... last longer, too!

## Eat well, eat hearty at the Holiday Party!



1. Nestle 'em into the salad! Stuffed with cream cheese, Dromedary Dates add tempting new flavor, extra vitamins and minerals to the holiday fruit salad.



2. Chop'em into the date-nut bread! With pitted, easy-to-use Dromedary Dates, you can create a date-nut bread that's loaded with tradition and nutrition!



3. Mince'em into the cooky filling! Imported Dromedary Dates make a luscious filling that gives dozens of new personalities to ordinary brown-sugar cookies.



4. Stuff 'em into the kids! With centers of nuts, candied fruit or what-have-you, Dromedary Dates are nature's gift to the sweet tooth. Contain calcium that helps build teeth.

## Take a Dromedary Date...and *Create!*

It's the healthful sweet for you to eat!

#### WIN \$10000

In Dromedary's "Take A Date . . . and <u>Create</u>" Contest

-Just for sending in a Date Recipe or Serving Suggestion!

275 CASH PRIZES ... WORTH \$5,000

Follow These Easy Contest Rules entries become the property

1. Send your recipe or serving idea for Dromedary Dates, with your name and address, to: Dromedary Dates, P.O. Box 8, Brooklyn 1, N. Y. (NO DATE PUDDING RECIPES, PLEASE.)

2. Entries will be judged for originality and appetite appeal by Advertising Distributors of America, Inc. Judges' decisions will be final. In event of duplicate winning recipes, eligibility will be based on earliest postmark. In case of ties, duplicate prizes will be

awarded.
3. No entries will be returned, and all

entries become the property of National Biscuit Company and may be used by it for advertising or promotional purposes without compensation to sender. 4. Employees of National Biscuit Company and its subsidiaries and its advertising agencies and their families are

not eligible.

5. Contest subject to all Federal, State and Local Laws and Regulations. Void wherever taxed, prohibited or restricted.

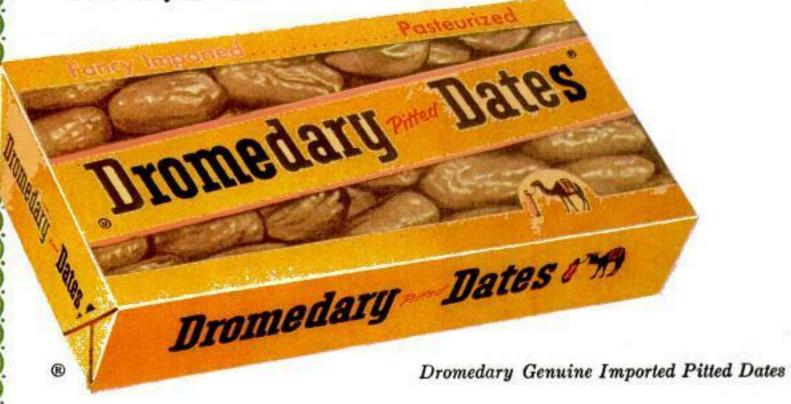
6. Contest opens October 17, 1958, and

all entries must be postmarked no later

than midnight, December 19, 1958.

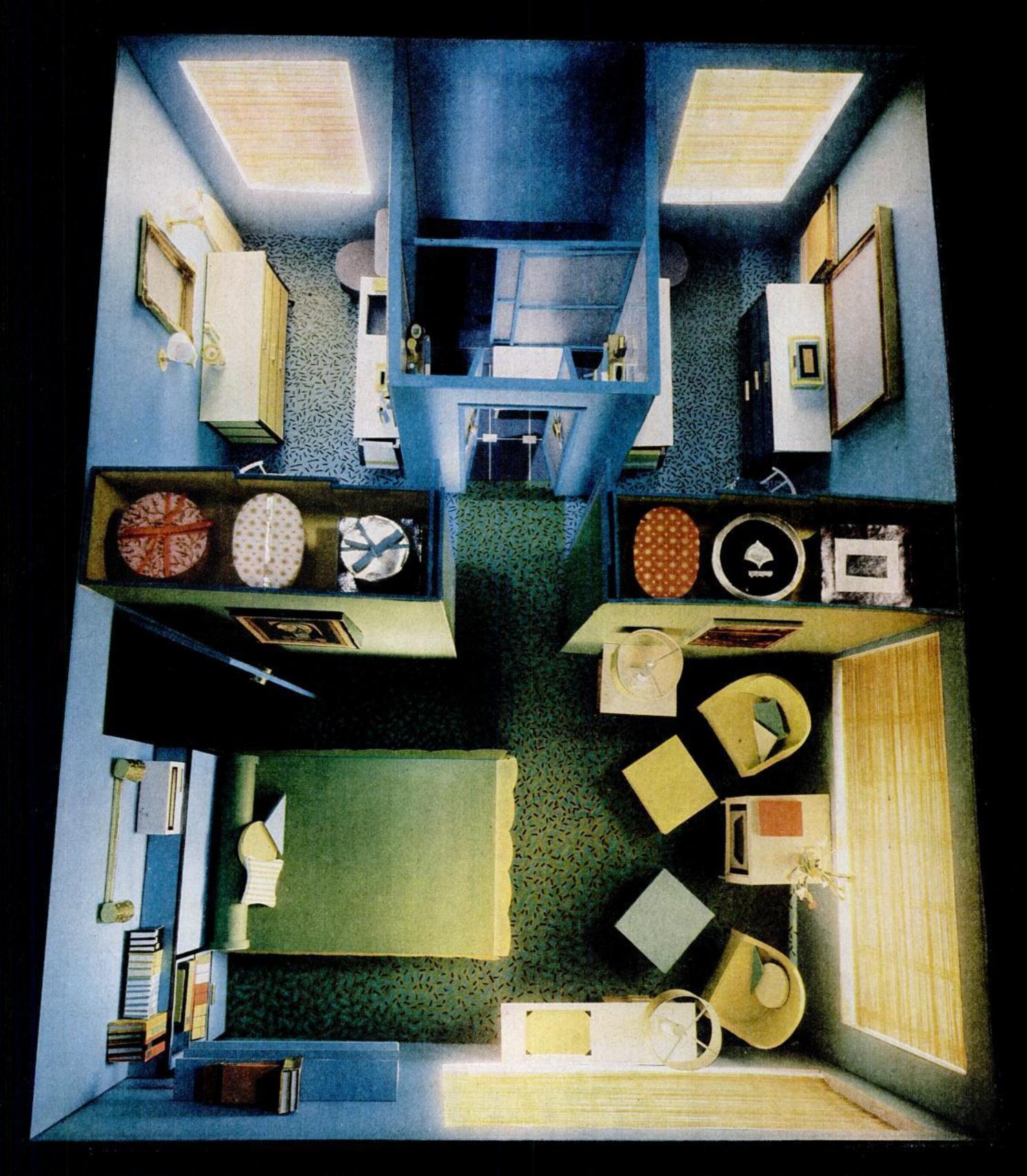
7. Winners will be notified by mail.

No box tops needed! Send as many entries as you wish! Contest limited to residents of the Continental U. S. A., Alaska and Hawaii. Dromedary Dates are preferred by more women than any other dates. And no wonder! They're pitted, they're pasteurized, they're imported and they stay fresh. Dromedary Dates are rich in vitamins, packed with minerals, high in energy, yet low in fat. They're the healthful sweet for you to eat!



... and for your holiday fruit cake-Dromedary Fruits and Peels!

the community of Secretary and section and a secretary as



## BATHROOM BUILT FOR TWO

The bedroom-bathroom area which should be a quiet place of refuge is, instead, the single greatest center of inconvenience, confusion, embarrassment and frustration in family living. This fact was turned up by an 18-month survey of U.S. homes recently completed by the Plumbing Fixture Manufacturers Association. The survey also showed that average bedrooms have a lot of unused space. As a solution, the association designed a new sort of bedroom and double bath called Privazone to occupy the area of a conventional bedroom and single bath. In Miami, Fla. a house with an arrangement much like that

shown above in a scale model made for LIFE is currently on view. The bathroom consists of two dressing rooms, one for the wife (top left), one for the husband (top right). Each has a washbasin, toilet, chests, ample storage closets. In the center is a tub-shower and anteroom for use of both. With all bureaus, closets, primping equipment out, the bedroom becomes a bed-sitting room useful around the

clock for reading, TV watching, lounging. While the extra plumbing raises the price of a house from \$300 to \$500, a poll taken in the model house indicates that 70% of its viewers would gladly pay the price.

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# ANTI-FREEZE Jacket

#### lined with Princeton's winter-warm featherlight nylon fleece



Ounces of science and styling replace pounds of obsolete clothes! Now you can forget those dips in temperature . . . those layers of bulky clothing you used to wear. Enjoy the warmth-without-weight of McGregor ANTI-FREEZE JACKET lined with cozy Princeton-Knit Nylon fleece. The new Cosmic Twist Du Pont nylon, woven by Travis, gives greater color depth and a revolutionary three-dimensional look to the iridescent colors. It washes and dries in practically no time at all in the EASY combomatic. More good news from McGregor . . . where science is fashion for '58. Anti-Freeze Jacket \$22.95, Prep \$18.98, Wee \$16.98



TOMORROW TAKES SHAPE IN McGREGOR SPORTSWEAR McGregor-Doniger Inc., New York 16, N. Y.

McGregor Salutes Science-in-Fashion Week

#### AMERICAN WOMEN GAIN A ZILLION CAREFREE HOURS



# EASY Combomatic WASHER/DRYER

No work to the washing-no waiting on the drying\*-EASY does it all!

That's right—one simple setting of the EASY Combomatic and off you go. Without a worry about a single item in that big, fat load of clothes. Because EASY washes every kind of washable (from everyday cottons to Princeton's fabulous fleece) as carefully as you would. THEN goes right on and dries them! No "laundry sitter" needed. American women lose 587,000 hours of wait\* this EASY way. Isn't it time you joined the team?



The Combomatic does his McGregor Anti-Freeze Jacket while you fix the lunch.



Princeton's nylon fleece lining comes out as soft, light, and fluffy as it went in.

EASY LAUNDRY APPLIANCES DIVISION • The Murray Corporation of America • Palmolive Bldg. • Chicago, III.



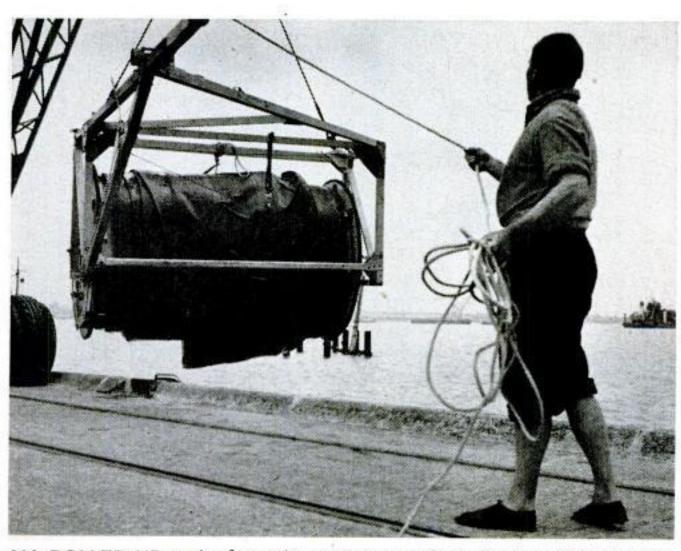
Newly created: Marsettes by Mars. Creamy caramel hidden in little cups of real chocolate. For people who appreciate perfection even when they eat just a few bites of candy at a time.



RUNNING ACROSS SAUSAGE as oil is drained from it, a worker heads for frame (rear) onto which empty sausage will be rolled, using only a hand winch.

## A SEAGOING SAUSAGE

The 100-foot seagoing sausage shown above did so well in recent trials off Southampton, England that its makers expect to market it soon as an oil barge. Made of nylon and synthetic rubber, it is inexpensive, will withstand storm and stress, can hold 12,000 gallons of oil and be towed to its destination by tugboat. When emptied of oil, it can be rolled up (below) and easily shipped back to its home port. Its inventor, Professor William Hawthorne of Cambridge University, who had financial backing from Esso Petroleum Co. Ltd., began his laboratory experiments with real sausage skins. He now believes his mammoth sausages will carry not only oil but also grain and other bulk cargoes.



ALL ROLLED UP on its frame in a compact package for easy shipment, the emptied sausage is hoisted ashore by crane. When empty it weighs only a ton.



Perfect Toast ... 3 slices at a time!

## TOASTMASTER

#### 3-Slice Automatic Toaster

THREE SLICES AT ONCE! Every slice just right... for the Toastmaster Automatic Toaster has a memory. Select the exact shade you prefer—light, dark, or in-between—and the exclusive Superflex Timer tends each slice until it's toasted to your taste.

Then the toast is raised automatically—hot, evenly browned, and tasty...ready for eating. You toast only what you need—1, 2 or 3 slices at a time.

\*Recommended retail prices

Entertaining or family feeding ... crisp, golden Toastmaster toast makes a delicious difference. And with a Toastmaster Toaster you're right in fashion . . . with the same expression of beauty as fine sterling.

Wonderful toast will come from your Toastmaster Automatic Toaster—toasted muffins and frozen waffles, too. \$29.95\*. 3-Slice Powermatic Model (not shown) lowers the bread by itself, \$34.95\*.



TOASTMASTER DIVISION, McGRAW-EDISON COMPANY



Famous Toastmaster 2-Slice Automatic Toaster, \$18.95\*



Stainless Steel Toastmaster Fry Pan, \$21.95\*; Control, \$7.50\*



Toastmaster Automatic Grill and Waffle Baker, \$34.95\*

TOASTMASTER First in Electric Homewares

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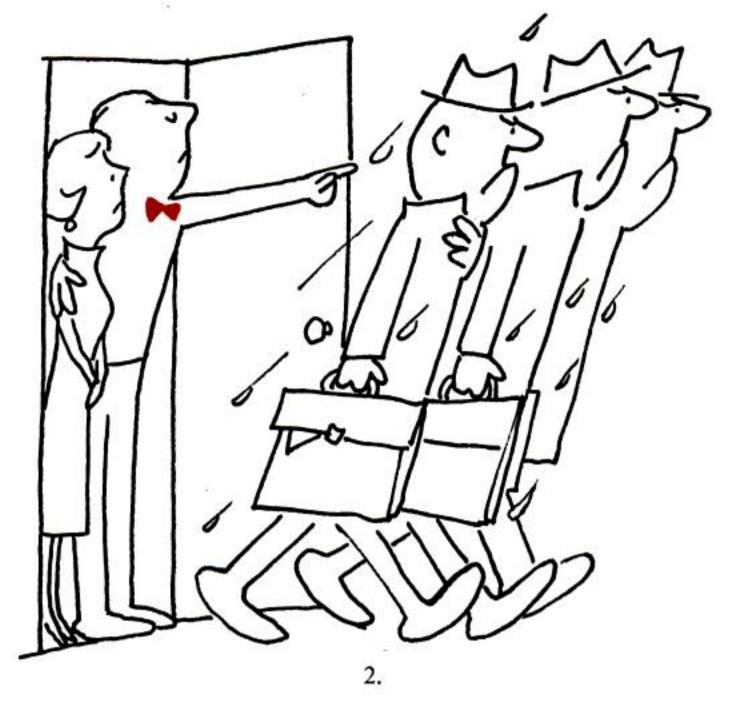


Bob Higbee had an uncle and two cousins twice-removed

From whom he bought insurance they had heartily approved.

But when Bob tried to place a claim he found to his chagrin

A gap within the policies provided by his kin.



That was the final straw—Bob gave his relatives the gate

And got himself one Travelers man. Bob says, "He's really great!

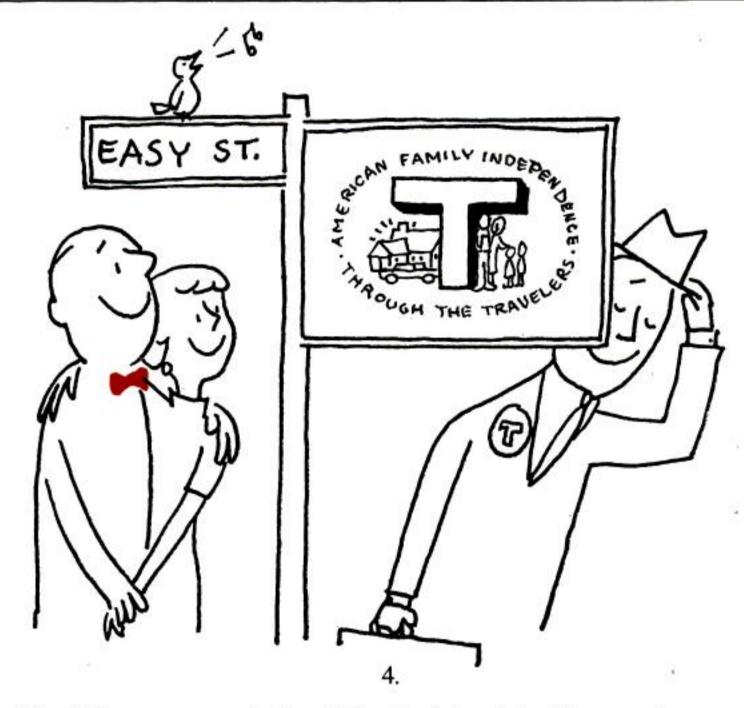
Now gone is my Achilles heel—we're shielded head to toe.

My balanced Travelers plan preserves our home sweet bungalow.



"The Travelers keeps its eye on all—life, health and property,
Provides for future needs as well—I'm never up a tree!

My wife and I in later years can gauge the rain in Spain,
Or send our kids to college—all without financial strain."



The Higbees now are in the pink—the future's looking grand.

American Family Independence—that's the life they've planned.

Besides, they pay just once a month—with Travelers' Budget Plan.

You too can live on Easy Street—just call your Travelers man.

You can protect your whole good way of life through

# THE TRAVELERS

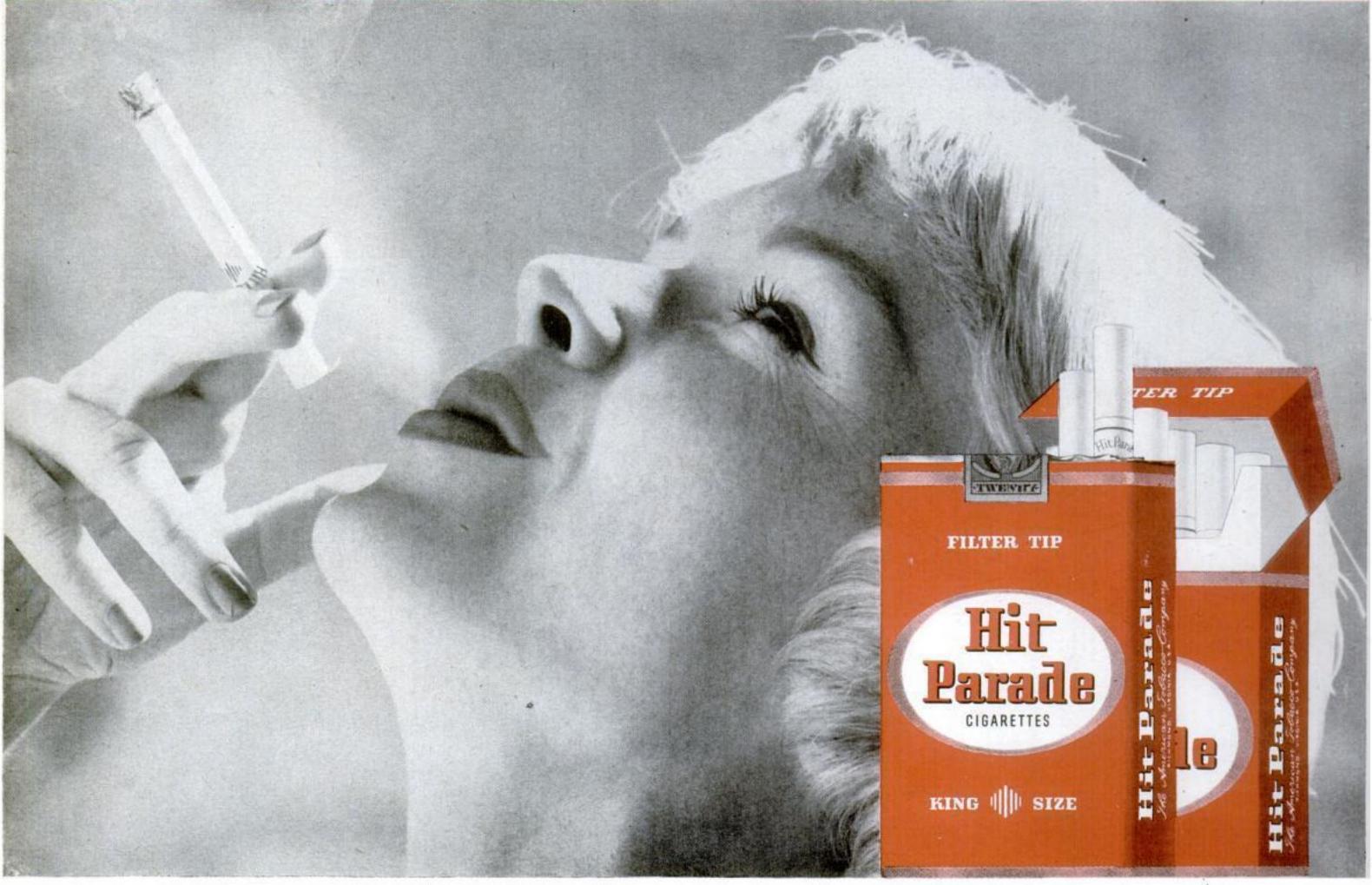
Insurance Companies

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America's Best Filter The world's finest tobaccos

with over 400,000 filter traps



The pleasure's all *yours* in new Hit Parade. For its remarkable filter, with over 400,000 filter traps, takes no flavor toll from the world's finest tobaccos. It draws freely...delivers deep, full smoking enjoyment. And test after test\* proves that new Hit Parade outfilters all leading filter brands.

\*By the entirely new and improved testing method of advanced accuracy that traps and weighs total smoke solids.

© A. T. Co. Product of The American Tobacco-Company - Tobacco is our middle name"

# WORLD'S MOST PROLIFIC NOVELIST

# 'Maigret' Author Simenon has written 400 books by HENRY ANATOLE GRUNWALD

spell coming on again. She knows the signs. Her husband, the world's most prolific serious novelist, becomes irritable and wanders morosely about the house, his usually merry brown eyes slightly glazed. He shuffles aimlessly through his stacks of newspapers, and neither his TV set nor his shortwave radio receiver holds his interest. For hours he may speak to no one, not even his dog. Reading the signals, his wife does her best to keep the children out of his way, cancels all appointments and calls the doctor.

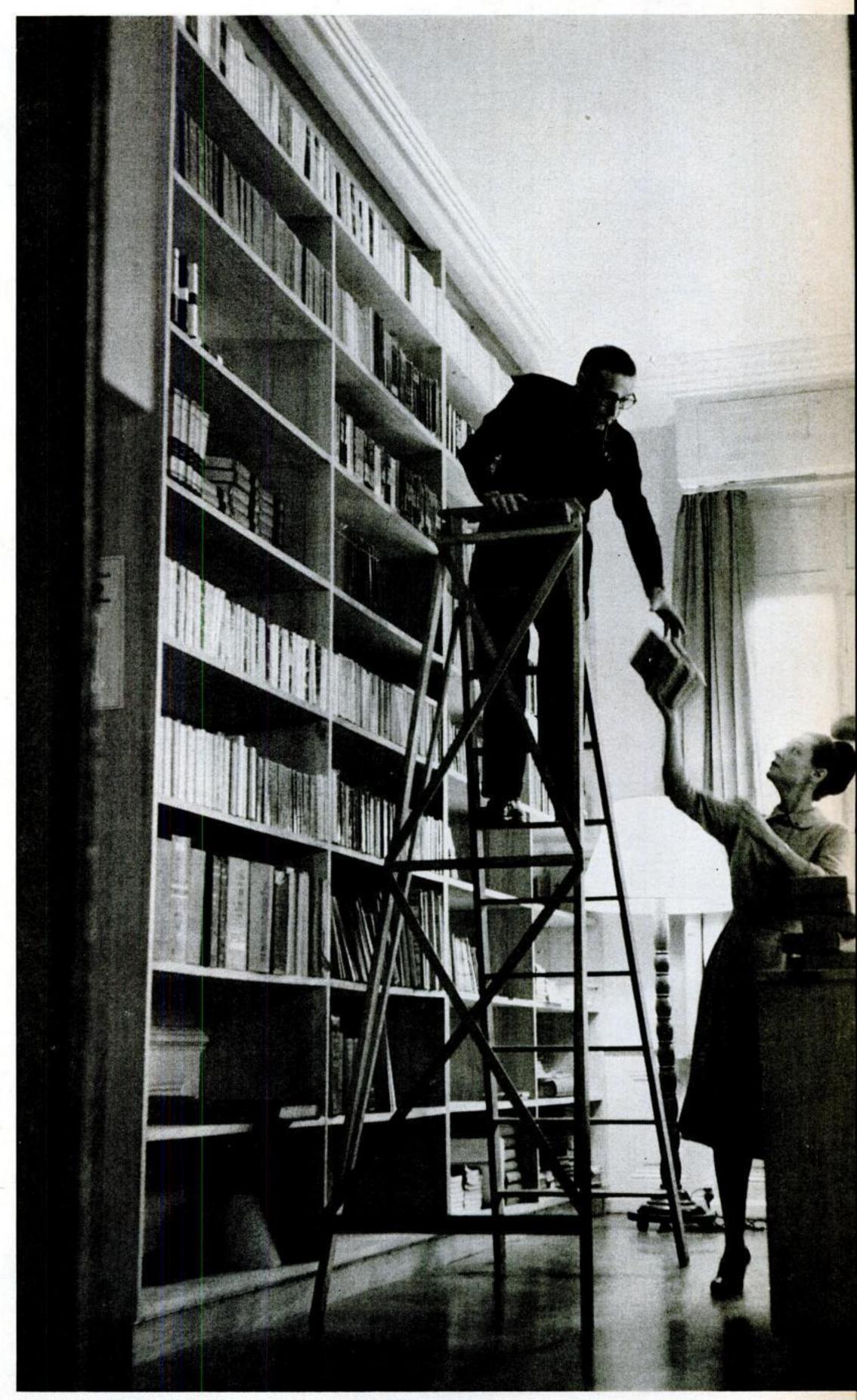
Before long her husband will state gruffly: "I'm going to write a novel next week." And so he does, provided the doctor gives his approval.

Georges Simenon is best known to American readers as the creator of that pride of the Paris police judiciaire, Inspector Maigret. Over the years, Simenon has produced the incredible total of 44 Maigret novels—but these are only a fraction of his work. All told, he has written 166 novels under his own name, a figure that does not include innumerable novels he dashed off under various pseudonyms in his younger years as a one-man pulp factory. The total is probably in excess of 400 books.

Today, at 55, Simenon turns out a book in about the time the average writer needs to draft a single chapter, and it takes him only 11 days to write a novel of about 200 pages. In the U.S. alone his books have sold millions of copies, especially in paperback editions (see box, p. 105). He has been published in 24 countries in 28 languages. No fewer than 52 of his books have been sold to the movies. Every year, like a farmer sending his sheep to market, he sells off two or three more. His latest movie to be released in the U.S., Inspector Maigret, stars the great French actor Jean Gabin and has been applauded as "an exciting example of the author's sophisticated work."

Globally, the presses never stop for Simenon. Every year about 300 new editions of his books appear, many of them reprints, which means on a rough average a new Simenon edition every day of the year except Sundays. It is a heady game to try to estimate how many of his books have flooded the U.S. and the rest of the world in the past 30 years. Simenon and his far-flung publishers defy statistics, but the figure must be in the hundreds of millions.

Georges Simenon writes from four to six books a year and has no intention of reducing this output, provided his health holds out. He does consider writing a considerable health hazard. One reason he finishes his novels in 11 days, he says, is that he could not stand the strain longer than that. He believes each writing bout to be as strenuous as Dr. Jekyll's transformation into Mr. Hyde. As a result, Simenon watches his diet fanatically and keeps a cache of pills in his dining room. He also has his cholesterol count taken regularly. And



AN ALL-SIMENON LIBRARY receives another volume as the author and his wife add new copy of

Le Président to shelves in their chateau. Library contains only Simenon books and translations.



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WARNING TO FAMILY, "Do Not Disturb" sign from New York hotel, keeps Simenon's daughter Marie-Georges, 5, from bothering author at work.

#### SIMENON CONTINUED

before launching into a new book, he usually insists that the doctor check his blood pressure and general condition.

Simenon's working routine rarely varies. He writes a chapter a day, every day. (If there is some interruption that keeps him from work for as much as 48 hours, the spell is broken and he discards everything he has already written.) He spends the afternoon writing a new chapter in longhand, then types it the next morning, writes the following chapter that afternoon in longhand, and so on. On a big wall calendar, he crosses off each day with a big red pencil mark. While he works he drinks coffee, which he brews himself, or Coca-Cola, and incessantly smokes a pipe. Like many other writers he feels the need to keep his hands busy while thinking, and for that purpose his wife not long ago had Cartier's make him a monogrammed solid gold ball which Simenon fingers as he broods. He treasures a do-not-disturb sign which he lifted some years ago from New York's Hotel Plaza, but it is not needed. Under his wife's generalship the household knows enough to leave him alone while he is working.

Sometimes, though, his well-regulated chateau near Lausanne, Switzerland becomes too confining, and he goes off on a trip to work in some impersonal hotel suite. There he usually moves a table and his typewriter into the bathroom, to avoid interruptions. A born mimic, he is likely to act out the characters he is writing about. Once when he was writing about a particularly brutal character, he was horrified to find himself slapping his wife over some trivial disagreement. Since brutal characters are not rare in his books, Denise Simenon is lucky that she has so far escaped major injuries.

After the 11th cross has appeared on the calendar, Simenon puts the finished manuscript aside for a while, then spends a few days on revisions. These consist mostly of cutting out adjectives, since he passionately believes in a spare, almost austere style. Then, instead of having the manuscript retyped, which would force him to read it all over again, he has the whole book photostatted and sent off to the publisher. Chances are that Simenon will never look at it again.

In the meantime, of course, the doctor has been back to make a check-up. Simenon's blood pressure, which rises as he writes, is almost certainly back to normal.

#### Themes that sneak up

ONE of the astonishing things about Simenon's literary career is that he has never accidentally written the same book twice, and that he keeps finding new characters and situations to write about. His themes gradually sneak up on him, seize him and work inside him like a virus. A Simenon story develops by a semiconscious process of selection and free association, a process that may seem, to the outsider, more like a slight case of delirium.

As often as not, a Simenon book begins in its author's mind with a sensation of music—gay or sad, fast or slow—and a feeling of color—white or black, wintry or summery. In the case of Simenon's new novel, Le Président, his latest to be published in France, he believes the creative virus took hold when he saw a black and white seaside etching over a mantel. This reminded him of Normandy and in

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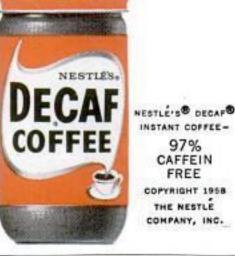
Play better - work better - sleep better!

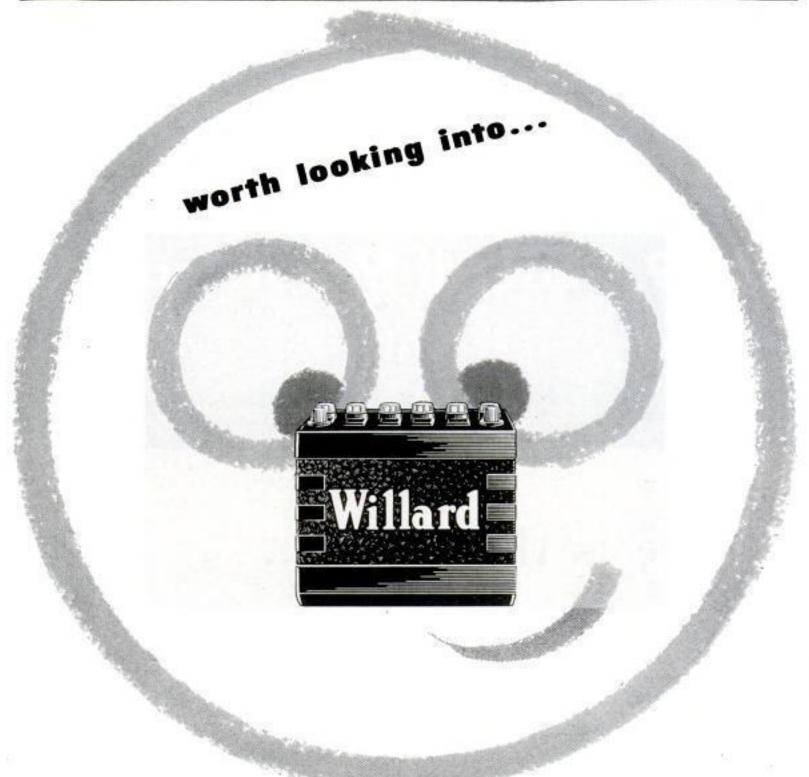


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#### SIMENON CONTINUED

particular of a time many years ago he spent there with a woman friend. With such a start the novel could have turned into a love story, but something—Simenon has no idea what—propelled his memory in other directions. He remembered having seen during that stay in Normandy an old house on a cliff, and so he began to wonder who might have lived there. When his fact-filled mind supplied the information that Premier Georges Clemenceau had lived in the Vendée, Simenon began to think that he would write about some old man ending his days in an old house and looking back on a long life of past glory.

This was about as much as he knew about his book when he began to work in earnest. The first question was: what kind of an old man should it be? An artist? No. Simenon feels that books about artists are almost always bad. A financier? No again, for he feels that a money man lacks touch with the realities of life. Why not—going back to Clemenceau—a politician? Somehow this seemed right: a former président du conseil (premier) would be his hero. What to name him? Simenon spent a whole day on that problem, going through the 150 telephone books of all countries he keeps in his study. Eventually he decided that he could not give him a name at all: a fictitious name for a supposedly real politician would spoil the illusion. He would be known only as "the President."

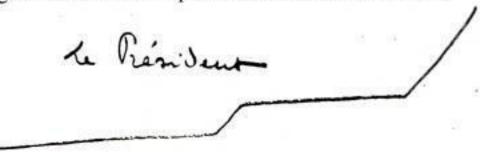
Simenon's gradually emerging mental picture of his hero demanded that he be of peasant stock (Simenon admires peasants). Where was the President born? Simenon consulted one of the innumerable maps and atlases he keeps handy. The South of France? Too colorful. It would distract from the story's wintry mood. The Loire valley? Too harmonious. Finally he hit on Evreux, in Normandy, a fairly gray industrial town. He then went to his reference books and looked up everything he could about the town: the number of inhabitants, the amount of electricity consumed a year, the names of all the dis-

tinguished people born there.

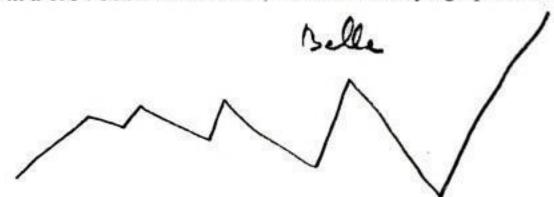
Then he returned to the old man. What kind of a household would an old ex-premier (he fixed his age at 82) live in? He would, felt Simenon, have a secretary, a cook, a maid, a chauffeur and probably a nurse. French politics being what it is, the government would want to keep an eye on the old man, and so the chauffeur would probably be a part-time spy. Each of the characters was fitted out with a complete identity—birthplace, ancestry, schooling, all jotted down on a large manila envelope—regardless of whether the information would wind up in the book or not.

Now Simenon asked himself, how does someone like the President spend his days? Writing his memoirs, of course. Simenon decided that he probably scribbles these memoirs on little slips of paper and, like a madman or a child, stashes them away in supposedly secret places all over the house. Why? Because, naturally, they contain revelations. After a long life in politics the old man is sure to know innumerable secrets about others. He is jealous of the younger, stronger men now coming to power, particularly one who once worked for him and about whom he knows some highly damaging facts. . . .

And so the plot gradually took shape. Sketched in Simenon's mind, however vaguely, there always is an outline of the story's movement which, when he draws it on paper, looks like a fever chart. In the case of *Le Président*, the temperature rose slowly, then steeply, then slowly again until it hit its peak. Simenon drew it thus:



In other books the fever chart may have a simple straight ascent, or, as in a 1954 book called *Belle*, a series of dizzying ups and downs:



The fever charts vary more than Simenon's themes. The secret vice beneath the outer virtue, the scandalous dream inside the respectable head, the sudden crack in the stucco of propriety—these are the things that interest him to the point of obsession. To get facts and ever more facts about the murky corners of the world—and of the soul—he befriends cops of all countries, enjoys long dinners with lawyers or doctors and talks shop with prostitutes. In his address book alongside friends, publishers and agents he keeps the names and addresses of

CONTINUED



# PARTY-PROOF and HOLIDAY-PRETTY enchanting dresses made care-free by Du Pont Nylon

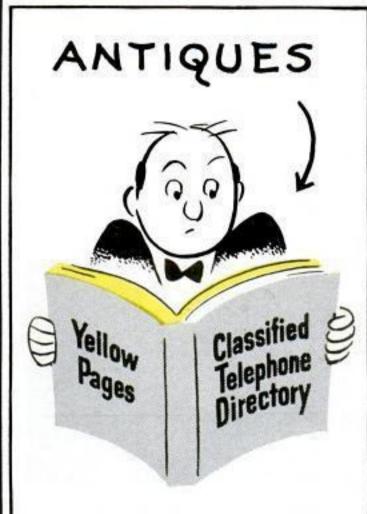
When a little girl arrives at a party, she's usually a vision . . . the problem is how to *keep* her that way. This season's party dresses of Du Pont nylon are a happy solution . . . they were never prettier or more practical. In spite of its dainty and delicate air, nylon's remarkable strength resists wrinkles, wear and tear. It even survives ice-cream disasters, for these dresses wash wonderfully, drip dry quickly and smoothly, stay crisp and neat. With new party dresses of Du Pont nylon, it's pretty is as pretty does . . . and during the coming holiday season, what more could a busy mother ask?

BETTER THINGS FOR BETTER LIVING...THROUGH CHEMISTRY

Du Pont makes the fibers, does not make the fabric or dress shown here.

Select your nylon party dress from the variety available at these and other fine stores: Baltimore, Hochschild, Kohn; Boston, Filene's; Chicago, Lytton's; Dallas, Sanger's; Denver, The Denver Dry Goods Co.; Detroit, Crowley's; Houston, Foley's; Kansas City, Macy's; Los Angeles, Bullock's Downtown; Minneapolis, Dayton's; New York, B. Altman & Co.; Newark, Bamberger's; Philadelphia, Strawbridge & Clothier; Pittsburgh, Kaufmann's; San Francisco, Macy's-California; St. Louis, Stix, Baer & Fuller; Seattle, The Bon Marché; Washington, D. C., Woodward & Lothrop.







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whatever you need—

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In The
Yellow Pages

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make your shopping easy.



WORKING AIDS include telephone books of many cities, from which Simenon takes names to use in books, and solid gold ball to keep hands busy.

#### SIMENON CONTINUED

call girls all over the world—listed under the letter "F," for filles (which means "girls" in French, but not nice girls).

Georges Simenon is sometimes criticized for the speed of his writing and the spasmodic brevity of his books. Their action usually takes place in a day or two, and into this framework Simenon invariably crams a relentless series of flashbacks through which he tries to reveal everything about a character's past. Simenon intends his books to be read at one sitting just as, in a sense, he writes them at one sitting. What he is aiming at, he says, is the immediate, stunning impact of Greek tragedy: "The novel is the tragedy of our day." That is also why Simenon deals so often with violence and sex, why he seems unalterably fascinated with the shady side of life. He uses violent themes because he feels that, if he is to reveal their true natures, he must drive his characters to their limit.

In one of his earliest successes, *The Man Who Watched the Trains Go By*, which was recently republished in the U.S., Simenon wrote about a little man who is suddenly obsessed with the desire to escape from his drab, confining surroundings and, after committing murder, lights out for Paris. The escape theme—physical or psychological flight from a familiar world and from oneself—has been one of the most frequent in Simenon's books. Sex itself Simenon regards as a kind of escape, often an escape into an innocent, primitive state of nature. Another form of escape that fascinates him is what sociologists call social mobility: people rising above or falling below their origins. But whatever the means, there is one common message in virtually all his stories: escape is really impossible.

The escape theme not only appears in Simenon's writing but is plainly stamped on his whole life. In his youth in Liége, a drab Belgian industrial town, Simenon clearly was a young man who watched the trains go by. He managed to get on a train. Since then he has taken all the trains, all the boats and all the planes, and he is still on the move. Again and again he has tried to settle down. In the last 30 years, not counting various boats on which he spent months at a time, he has had 27 different domiciles, including apartments, hunting lodges, estates, castles, farms and ranches. The longest he ever lived in any one place was five years in Lakeville, Conn., but in the spring of 1955 he got restless again and went back to Europe. He still owns the Connecticut place and until recently rented it out for what he considered a highly worthwhile purpose: as a home for unwed mothers.

The Simenons' present establishment in Switzerland has all the signs of permanence: a dog, a governess, a pretty and efficient secretary, vast and orderly stores of Simenon books, a formidable filing system superintended by Mrs. Simenon. Almost as if to subdue the restless spirit of the past, neatly dated envelopes have been provided for the stacks of photographs yielded by Simenon's far-ranging travels, including some snapshots of bare-bosomed beauties in Bali, of Dorothy Lamour at 19, and of a respectful prostitute in Cuba who autographed a picture in gratitude for help and advice Mr. and Mrs. Simenon gave her. Simenon happily drives to the village twice a week to do the marketing, he watches television, he putters in the garden. And yet all the filing systems, all the possessions, all the gardens from Lausanne to Bali, cannot really subdue his restlessness. With his quick, nervous gestures and his darting eyes, he seems hunted. He says, "One day I will look out this window and ask myself,

CONTINUED



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# \$10,000.00 PAY-OFF PRIZES!

\$2,500° PAY-OFF PRIZES!

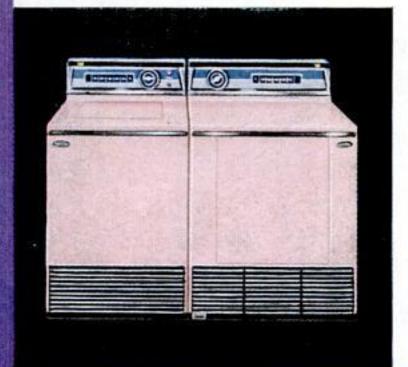
one each week

for 5 weeks!

one each week for 5 weeks!

### 50 NEW 1959 FRIGIDAIRE LAUNDRY PAIRS

10 Frigidaire Custom Imperial Washers and Matching Dryers each week for 5 weeks.



If you should buy a Frigidaire washer or dryer during the Sweepstakes period, and thereafter win one of the new 1959 Frigidaire Laundry-Pairs in the Sweepstakes, you will be given the retail value of your prize in cash!

## 500 BENRUS Citation WATCHES!



Still more chances to win! 500 14K Gold Benrus Citation Watches— \$100.00 value. 100 each week in choice of men's or women's models.

#### **NECKLACE FOR YOU!**

Just for watching a short Frigidaire laundry demonstration your participating dealer will give you absolutely free a beautiful necklace of graduated simulated pearls by DuBarry. You never have enough costume jewelry! Get your free gift today.

#### NEW 1959 WAY TO WASH CLOTHES BETTER!



# FRIGIDAIRE AUTOMATIC WASHER

#### <u>bathes</u> deep dirt out <u>Without Beating!</u>



Ask your dealer to demonstrate the Pumping Action of the Frigidaire Automatic Washer that gets clothes so clean. Ask to see its better lint-removal system. See why a Frigidaire gives dryest spin—get a free necklace just for looking!

FRIGIDAIRE ADVANCED APPLIANCES ... DESIGNED WITH YOU IN MIND!



The DC-8, now flying, will add new horizons to your life

#### The DC-8 makes history...and remakes geography!

On the wings of the Douglas DC-8, world's most advanced jetliner, will come a new concept of geography almost as startling as the first knowledge that the earth was round.

With its scorn for the boundaries of hours and distance, the DC-8 will make the people of all other nations practically your next-door neighbors.

This new-found opportunity to meet people of other ways and other environments will enrich your life manyfold. It will allow you and your family to broaden your human experiences; to unfold cultures other than your own; to conduct your business affairs easily face-to-face anywhere in the world.

But the DC-8 offers you more than the wider horizons of time and space. It brings you a family history of experience, dependability and comfort unmatched in the annals of flight. It is this and more which makes passengers and pilots look up to Douglas. You'll sense it all when you take your first fabulous flight in the . . .

#### **DOUGLAS DC-8 JETLINER**

Built by the most respected name in aviation

These famous air lines already have purchased the DC-8:

ALITALIA-Linee Aeree Italiane • DELTA AIR LINES • EASTERN AIR LINES • JAPAN AIR LINES • KLM ROYAL DUTCH AIR LINES • NATIONAL AIRLINES • NORTHWEST ORIENT AIRLINES • OLYMPIC AIRWAYS • PANAGRA • PANAIR DO BRASIL • PAN AMERICAN WORLD AIRWAYS • SAS—SCANDINAVIAN AIRLINES SYSTEM • SWISSAIR TRANS-CANADA AIR LINES • TRANS CARIBBEAN AIRWAYS • TRANSPORTS AERIENS INTERCONTINENTAUX • UNION AEROMARITIME DE TRANSPORT • UNITED AIR LINES

#### SIMENON CONTINUED

'What does it all have to do with me?' "Then, he feels, he will want to cut all strings and move on. He adds, "I am at home everywhere, and nowhere. I am never a stranger and I never quite belong."

Simenon was 15 when a doctor told him that his father, a gentle, unambitious insurance man, was suffering from an incurable heart disease and had only two or three more years to live. It was time for Simenon to quit school and earn a living. As a child he had hoped to enter either the army or the priesthood because he thought that, of all the occupations, these would leave him the most free time to write. Now he thought there must be easier ways to become a writer. At 16 he got a reporter's job on the Gazette de Liége and before long he covered fires, fairs and even had a column of his own.

Simenon's mother, a formidable woman devoted to order, cleanliness, piety and solvency, disapproved of his newspaper career. She wanted him to become a pastry cook. The idea of running a bakeshop appealed to her: the fresh, white, appetizing atmosphere with herself

#### SIMENON'S U.S. BEST-SELLERS

More than five million copies of novels by Georges Simenon have been sold in the U.S. alone. The following are the 10 best-selling books in paperback editions:

Snow Was Black	850,000 copies
Girl in His Past	430,000 copies
Act of Passion	350,000 copies
I Take This Woman	325,000 copies
Heart of a Man	275,000 copies
Inspector Maigret and the Burglar's Wife	260,000 copies
Inspector Maigret in New York's Underworld	236,000 copies
Four Days in a Lifetime	236,000 copies
Belle	234,000 copies
Strangers in the House	230,000 copies
	•

enthroned behind the cash register. At one time Simenon was actually apprenticed to a pastry cook but lasted only two weeks, although he can still make pastry. In silent protest against his mother Simenon chose mostly Bohemian friends and spent his nights in Liége nightclubs.

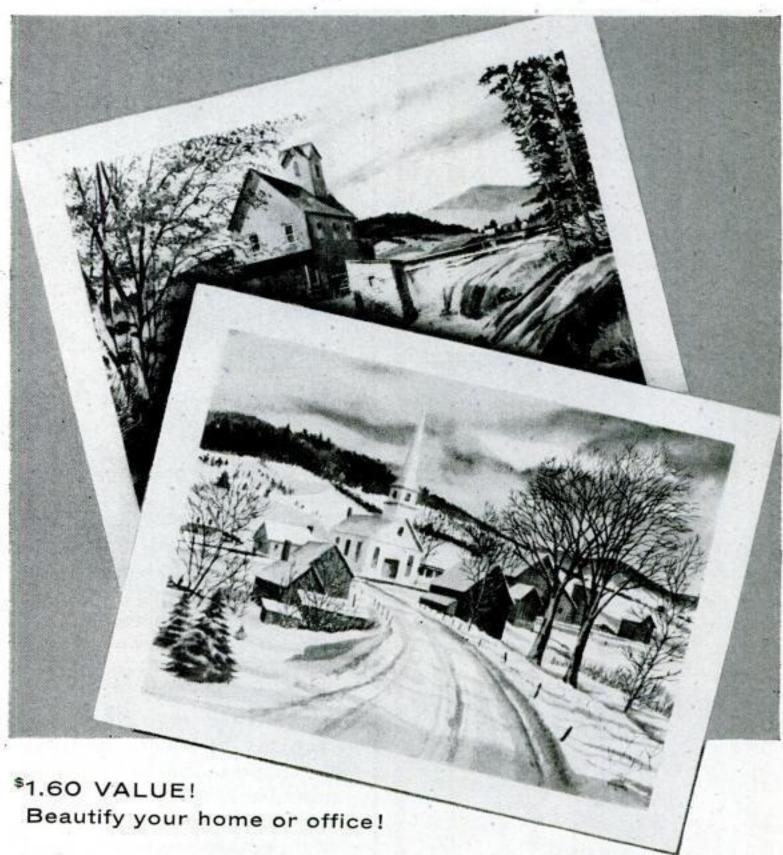
(Today his 78-year-old mother still lives in Liége, having outlasted a second husband. She still thoroughly disapproves of her son. "Why don't you ever write a book about nice people and good Catholics," she will say, "instead of all these criminals?")

Simenon was 19 and had written one rather amateurish novel when he decided to get out of Liége and seek his fortune in Paris. Before escaping one form of bondage, however, he had managed to enter another: he got married. His wife was the daughter of a local cabinet-maker and, as he recalls, "She was blond, very quiet, strong-minded and coldblooded, just the type of woman I don't like. The day I was married I knew I would not be happy." Not long after their marriage the Simenons began to go their separate ways.

In Paris, Simenon soon discovered the pulps. Making careful inquiries, he found that he could have a comfortable existence, including car and chauffeur, if he wrote 80 pages a day. This he proceeded to do. He wrote pulp fiction under 17 different pseudonyms, turning out about 300 novels and novelettes in a little more than four years. They ranged from sugar "for young ladies" to spice "for old gentlemen." Before long Simenon had a classy apartment which contained, he boasts, the first private bar in Paris. The bar was always well attended. He recalls, "Many times, when the place was littered with guests who were fast asleep after a night's drinking, dawn would find me stepping over the cadavers and making my way to the typewriter."

One day, restless again, he took his typewriter aboard a small motor launch and began touring the rivers and canals of France. Soon people in various river ports were startled to see Simenon sitting in his boat, his typewriter propped against the dockside, typing away furiously. Eventually he acquired a larger craft, the Ostrogoth, and off and on for 3½ years he floated through Belgium, Holland, Germany and the Mediterranean. On one of these trips Simenon, then 25, wrote his first two Maigret stories. When he brought them back to Paris, his publisher was dismayed. Maigret was all wrong for a fictional detective. For one thing he was a professional cop, not an amateur sleuth. Furthermore his methods were not scientific. He was not guided by brilliant deduction or obscure clues. There were, strictly speaking, no heroes and no villains, and there was no love interest. Maigret was corpulent and middle-aged and he was also happily

# Free



# Two beautiful 11" x 14" full-color famous artist's prints free with each 8-oz. bottle of Pepto-Bismol!

Decorative and educational! Handsome, colorful American scenes by famous artist John Rogers will add beauty to any wall. Help your children develop an interest in fine art. Make handsome gifts, too! Send no money! Follow mailing instructions on special collar from an 8-oz. bottle of Pepto-Bismol. Send collar and the Norwich seal from the label for your *free* Art Prints! Mail today! Also available in Canada.

Look for this special "FREE ART PRINTS" collar!

Pepto-Bismol alone relieves
these 3 major upset stomach miseries
as no soda or alkalizer can:

- 1) Burning acid distress
- 2) Tense, irritated stomach walls
- 3) Inflamed lower digestive tract

Soda and alkalizers only neutralize acid temporarily. They cannot soothe stomach walls. And they have no effect on the lower digestive tract!

Pepto-Bismol's gentle coating action 1) calms acid distress 2) tranquilizes irritated stomach walls 3) soothes inflamed lower tract where alkalizers cannot work!

Take Hospital Tested

#### Pepto-Bismol®

...and feel good again

Art Print Offer expires Feb. 28, 1959



A Norwich Product

# FIX-IT TIPS with "Plastic Wood"

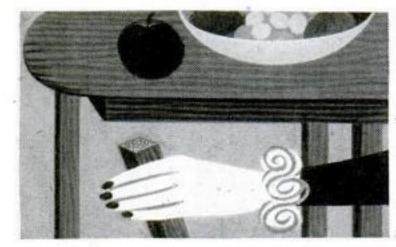
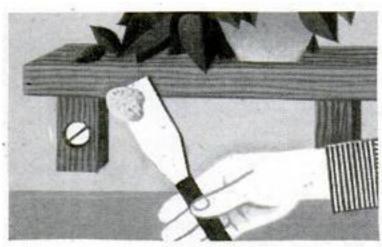


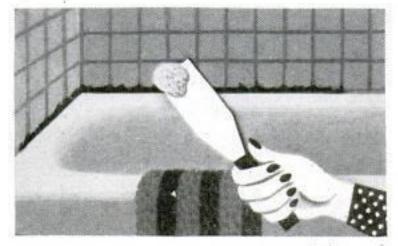
Table leg loose? Reset it in Plastic Wood.

Handles like putty. Hardens into wood.

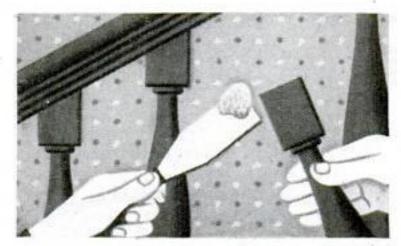
Makes the table even stronger than new.



Screw show? Plastic Wood is perfect for hiding screws and nails. Dries fast. Can be sanded, stained or painted like wood.



Cracks around bathtub? Repair cracks around tubs, sinks, and countertops with water-resistant Plastic Wood. Stays put.



Baluster broken? Fix it without removing the rail. Simply join broken parts with Plastic Wood and then allow to dry.

"PLASTIC WOOD"

1. HOLDS HARDER 2. MORE UNIFORM FINISH

3. TAKES STAIN BETTER





SIMENON'S HERO, Inspector Maigret, is played by Jean Gabin in new movie. Here he waits for killer to betray himself during crime re-enactment.

#### SIMENON CONTINUED

married. Eventually, however, the publisher decided to take a chance. Simenon hired a Montparnasse nightclub, largely at his own expense, and gave a ball to launch Maigret. The launching required innumerable cases of champagne for more than 1,000 invited and uninvited guests. By the time the hangovers began to clear away the next day, Maigret was the talk of Paris.

Several times Simenon has tried to stop writing Maigret stories, but he has not been allowed to. He has even brought Maigret back out of retirement to still the clamor from publishers and public. Over the years the Maigret stories have become increasingly plotless and their hero increasingly unheroic. Undoubtedly he can handle firearms if he has to, but his pipe is more characteristic. His mind at work never displays the intricacies of a cocaine fancier like Sherlock Holmes or the deviousness of a beer and orchid addict like Nero Wolfe. Maigret patiently collects facts and more facts until he feels he fully understands the characters he is dealing with. An important "clue" is not a cigaret butt found on the rug but an insight into a girl's degree of jealousy, a hunch that a suspect may have a secret desire for a quiet life in the country, a theory about a blackmailer's hidden social ambitions. Maigret has the shrewd mind of a peasant or a petit bou geois who has been in the big city for a long time and understands its people, their ways and their motives as he would understand his crop or his shop. Like his creator, Maigret is forever the witness who has seen everything, is astonished by nothing and does not moralize. He is a cop, not a judge, just as Simenon is a storyteller, not a thinker.

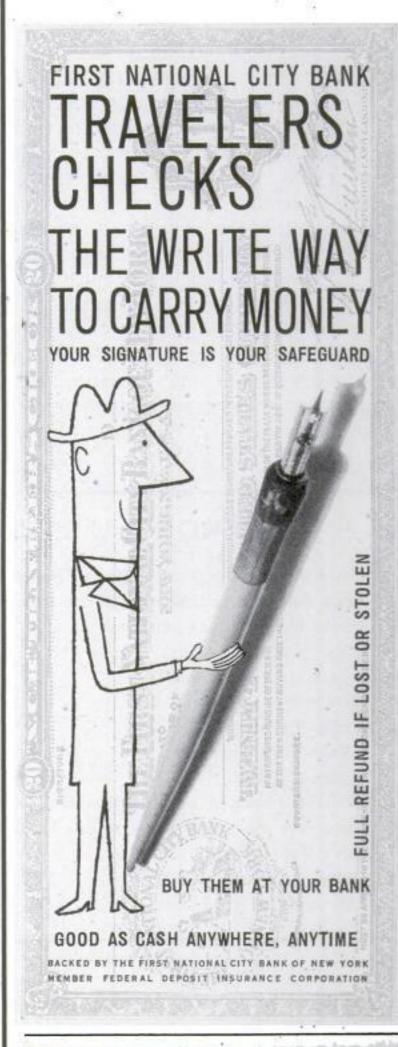
#### The deer that wept

▲ FTER the success of Maigret and while he was gradually working A his way into serious novels, Simenon started buying estates. The most remarkable was a chateau in the dank, dark Forest of Orléans. The chateau, called La Cour-Dieu, came with a lot of shooting land, and Simenon eagerly decided to become a hunter. The first day he went out, he wounded a deer and had to give the animal the coup de grâce. Before it was over, he insists, both the deer and Simenon wept. He was through with hunting after that, but forestry regulations required a certain quota of animals to be shot on his land during the season, and so twice a week Simenon organized large and expensive hunting parties. It was a harrowing experience. "Many of my Paris friends," he says, "would bring their mistresses out with them. They looked adorable in their new hunting outfits, you understand, but they didn't know very much about shooting. I was always terrified that they would kill one of the beaters. My God, how much insurance I carried for those beaters!"

Before long Simenon took off for Tahiti.

By the time World War II broke out, he had used up several more houses and traveled around the world a couple of times but had never stopped writing. Cut off by the lightning German advance from returning to Belgium, Simenon lived quietly in occupied France, unmolested by the Nazis. In 1945 he journeyed to Canada and the U.S.

Soon after arriving in New York, Simenon mentioned to a publisher friend that he needed a secretary. Denise Ouimet, pretty daughter of a French Canadian government official, applied for the job by telephone, and Simenon suggested an interview over lunch at the





CONTINUED



#### IT'S WONDERFUL WHAT AN EMPTY BOX CAN BE

To the delighted eyes of our young Casey Jones, that *empty* Dutch Masters box is really a tunnel, majestically carved through a sky-high mountain. Of course, such imagination is for the young. A man finds the reality of contentment in a *full* box of Dutch Masters—row upon row of flawless cigars, every one exactly blended for pure smoking pleasure. Ask for Dutch Masters. You'll like them.

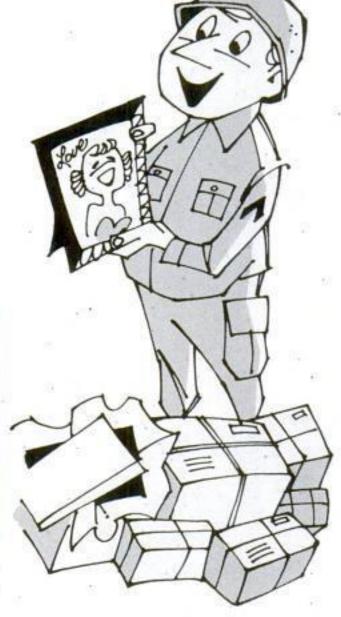
Dutch Masters, the fine cigar

7 sizes from 2 for 25c to 25c each. Also available in slim-down 5-pack and traditional box of 50.



## Sending Something to the Boys?





#### 2 lb. Weight Restriction for APO-FPO\* Packages Lifted!

Packages up to 70 pounds can now be rushed in hours to servicemen anywhere in the world via speedy Air Parcel Post. And you pay only the domestic rate. Air Parcel Post is Air Mail at lower rates. Simply mail at your nearby Post Office or have the department store do it for you.

\*Army and Fleet Post Offices.

Published by the Scheduled Airlines as a public service for the U.S. Post Office.

GET TOTAL RELIEF FROM EXCESS STOMACH ACIDS IN SECONDS!



TUMS ARE ECONOMICAL-3 ROLLS ONLY 25¢



For Today's Gracious Living

LIVING ROOM AND BEDROOM FURNITURE from \$99.95 At Your Favorite Furniture Dealers or write to





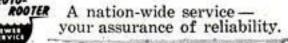
Toss Your Sewer Troubles Away...



Get Experienced Service Without Delay.

for <u>Any</u> Drainage Failure!

Get the genuine. Look for ROTO-ROOTER in your phone book. Some franchises open. Free folder. Roto-Rooter Corp., Dept. L-47, Des Moines 14, Iowa.



Good Housekeeping

#### SIMENON CONTINUED

Brussels restaurant in Manhattan. Right from the hors d'oeuvres they felt "the thunderbolt," as the French call love at first sight. Lunch over, Simenon asked Denise to have dinner with him that same evening. Pondering the invitation and its implications, Denise started to walk back to her hotel several blocks away and decided on a private gamble with fate. If the lights on the way to the hotel were all green, she would go to dinner with Simenon. If she ran into any red ones, she would refuse. All the lights were green, and that evening Simenon proposed. (Denise claims that later she took the same walk many times without once again hitting the all-green streak.) Denise and Simenon were married sometime later, after he got a divorce from his long-estranged first wife.

One of the odd things about Simenon's serene and comfortable home is that there are virtually no books in it except those by Georges Simenon. He gave up reading other people's books long ago. His excuse is fear of unconscious plagiarism, but he also has the notion that if some other author's book is bad, it will make Simenon feel conceited, and if it is good, it will make him feel depressed.

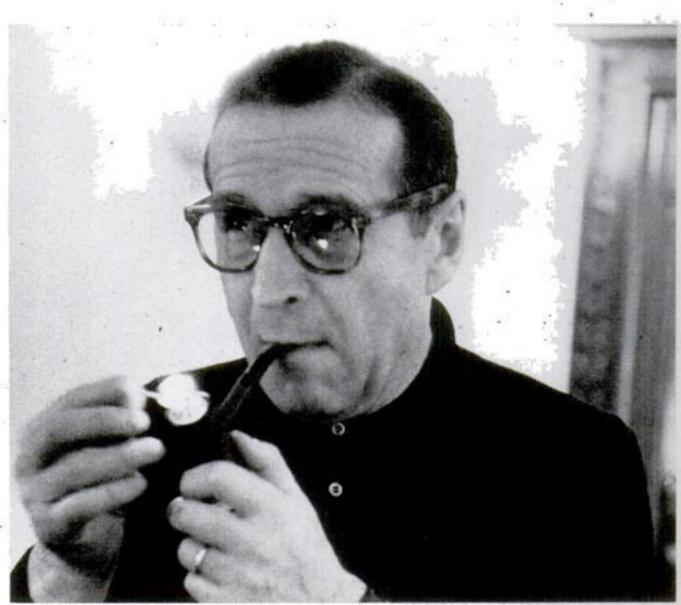
If Simenon did read his competitors, would he have cause to be conceited or depressed? Whatever is said for or against his work, it is impossible not to admire the accuracy, the unfailing psychological insight, the unfaltering eye for the small but convincing human details that he brings to his stories of men obsessed. He has been called a master of abnormal psychology. But what makes him really remarkable is a grasp of the fact that the step from the normal to the abnormal—the step beyond the limit—can be frighteningly short in an ordinary life.

The best testimonial to Simenon's psychological insight comes not from the critics but from the thousands of readers who keep writing him for advice. Perhaps the most extraordinary among these letters came to Simenon some years ago from a rich South American alcoholic. The letterwriter told Simenon how his playboy life in Europe had destroyed him; how, despite wife and children, he could find no meaning in existence. What happened as a result of this letter might well be the plot of a Simenon book, and perhaps will be some day.

Simenon replied and asked the man to write him again. Gradually the South American unfolded his life story and Simenon urged him to put it in book form. For two years, regularly, Simenon got chapter after chapter, sent back criticisms, praised and encouraged. The man stopped drinking and his wife and children showered Simenon with letters of gratitude. He became the South American's hero, his link to life. Finally, the book nearly finished, the man decided he must meet Simenon and made arrangements to fly to the U.S. Simenon went to meet the plane, but the South American was not in it.

Weeks later Simenon learned what had happened. Just before leaving, the reformed alcoholic was overwhelmed by the thought of finally meeting his benefactor, the man who had given him a reason to live. To banish his nervousness and steady himself for the great experience, he went into the airport bar to have one drink. A few hours later he was taken to the hospital with delirium tremens and died soon afterward of a heart attack.

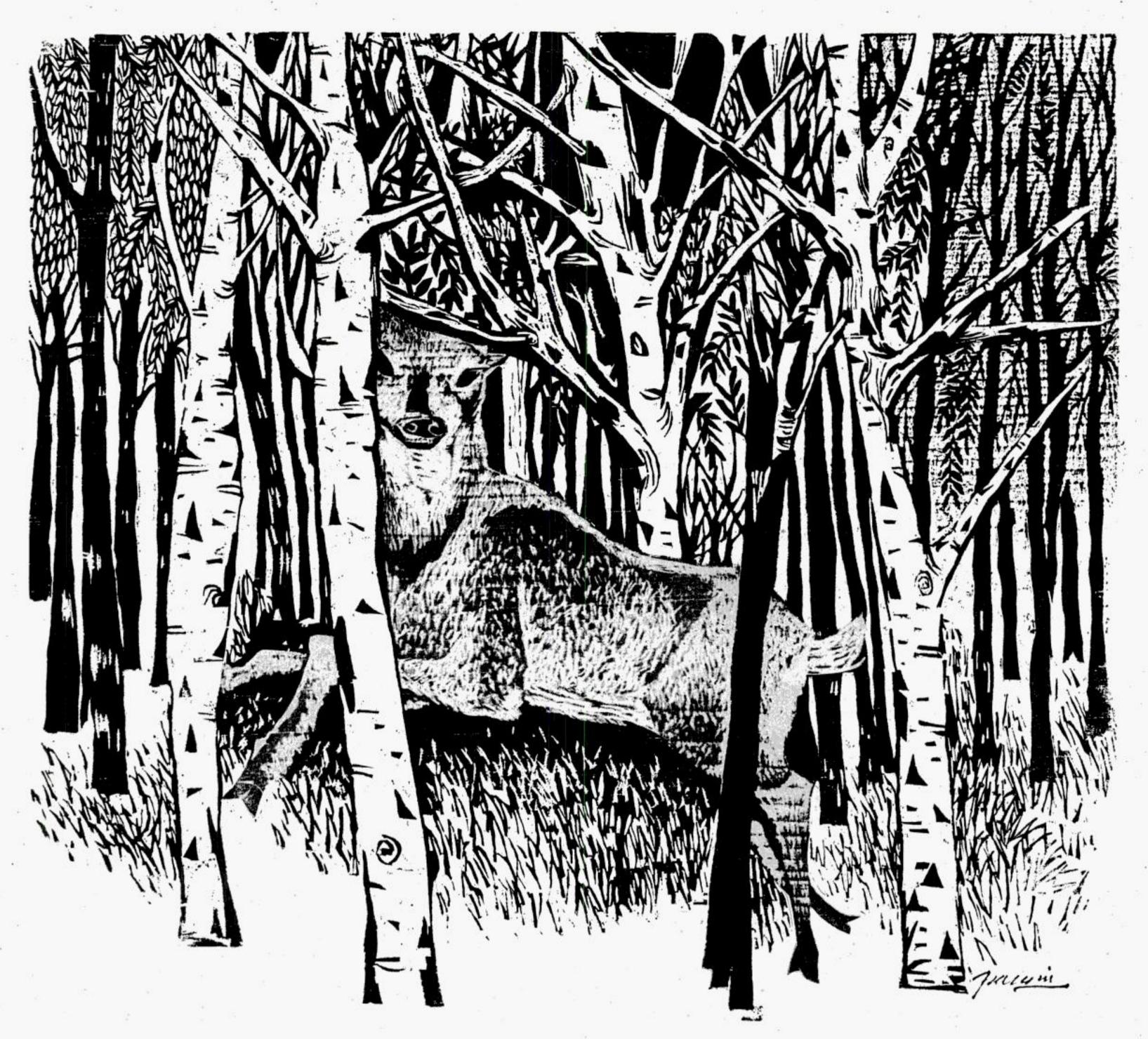
It was, Simenon feels wryly, just another case of a man driven to his limit.



LIGHTING one of his 46 pipes, Simenon ponders new Maigret book he was writing when photographed last week. By now he will have finished it.

SEWER MACHIN

RAZOR-KLEENS



# Buck? Doe?

Some decisions must be made swiftly . . . founded on hazy notions gathered in a fleeting moment.

Happily, this is not true for spending your money. Here, you have the help of magazine advertisements.

You can gather information you need at your own convenience. When a product interests you, you can read about it with your full and uninterrupted attention. You can read at your own pace—take time to decide.

You can compare products by shopping the advertisements

in a magazine like this one . . . and in the privacy of your own home.

You have a printed promise on which to base your choice ... and the manufacturer can't afford to let you down.

So, you can make sound buying judgments every time—save time, save money.

Much of the credit goes to the clear information, the easy comparisons and the printed promises you get from the advertisements in magazines.

Another example of how advertising helps everybody. Time inc., publisher of Life, Time, Fortune, Sports Illustrated, House & Home, Architectural Forum and International Editions of Life and Time.

# Advertisement

Brussels World's Fair, the film crew makes a last-minute check before the elegant new 1959 Ford Fairlane 500 Club Victoria is photographed



CAR FANS, CAMERAMEN, models and fashion experts kept the new Fords surrounded during their Brussels visit. Center of attention here: the Fairlane 500 Sunliner—one of Ford's three smart open-air models

# The cars that went to the fair

For 1959, Ford sent its Thunderbird-inspired line to the Brussels World's Fair. Result: A Gold Medal for elegance and beautiful proportions.



FORD RECEIVES AWARD

On a brilliant blue September morning, with the bright flags of all nations whipping in a fresh wind, four glittering automobiles stood before the sparkling fountains of the Porte des Esplanades in Brussels.

Far above the new 1959 cars—three Fords. and a Thunderbird—loomed the nine huge aluminum spheres that dominate the Brussels World's Fair—the great spheres that are the symbol of the new Europe, the twenty-five-story-high Atomium. There on the grounds of

the World's Fair the 1959 Fords had their first pictures taken.

On the afternoon of September 7, 1958, in the glittering Hall of Elegance—on the Fair ground that has been called the greatest showcase on earth—the new Fords were paid an extraordinary compliment.

In the presence of high-ranking officials of the U.S., France, and Belgium, and of internationally renowned arbiters of art and high fashion, an award was given.

The recipient: The Ford Division, Ford Motor Company, represented by Mr. William Clay Ford, Vice President—Product Planning & Styling.

The Award: the Gold Medal of the Comité Français de l'Elégance, one of the world's distinguished high-fashion groups. Mr. Roger Zeiler, president of the Comité, made the presentation to the 59 Ford "for elegance of line and beautiful proportions."

There never was a fair like this before—and there never was a Ford like this before!

One of the French fashion experts at the Fair put it this way: "Ford has achieved in this new car such a classic harmony of design, an expression of 'pure' automobile, that it will go beautifully in any scene of your life. It is a car for motoring pleasure—and it looks most beautiful of all when it is in motion!"

This kind of enthusiasm has an even deeper significance here in America. For the new 59 Fords are the lowest-priced cars of the most popular three.

Your own eye will tell you, in one quick glance, of the airy fresh newness of these Gold Medal 59 Fords. But their beautiful proportions are further evident once you move inside them. For elegance of style has been achieved without compromise of passenger comfort and convenience.

In its field Ford offers greater ease of entry and exit, more head room and stretch-out space, more attention to luxury formerly found only in the highest-priced cars. You'll find the right proportions for driving ease, parking and garaging this newest of Fords. And you'll find perfect proportions of weight and power—for economy and top performance on the road.

Visit your Ford Dealer soon. See for yourself why the 59 Fords were awarded the Gold Medal. Drive the 59 Fords, and you'll know that they truly are "The World's Most Beautifully Proportioned Cars!"



by the world-famous sculptor, Paul Manship



FAIR ROADWAYS WERE GROOMED to make way for the beautifully proportioned star—but you won't see the brooms on TV

Copyrighted material.



THE 4-DOOR 9-PASSENGER COUNTRY SEDAN, now roomier than ever, is one of 6 brilliant new wagons from America's wagon specialists. Over 5 inches longer

than ever before, with 11 cubic feet more cargo space, these cars are America's best wagon buy. In background: the fountains before the American Pavilion



FORD'S NEW FAIRLANE 500 CLUB VICTORIA reveals the elegant lines that make the 1959 Fords the world's most beautifully proportioned cars. From the dazzling

new Fashion Star Grille to the Thunderbird inspiration of the Flying V Rear Deck, every inch of gleaming sheet metal is totally new. Location: the Place de Belgique



A FASHION MODEL PARADES a velvet ball gown from the American Collection chosen by Vogue for the Fair



TV DIRECTOR, who had to speak 4 languages to European models, tries his French before a night shot



THE NEW 1959 fourpassenger Thunderbird, America's most exciting luxury car, styling original of the whole Ford line



# OUT OF ANCIENT MAGIC COMES NEW MEDICAL TOOL:



# HYPNOSIS

Hypnosis has finally gone medically legitimate. Because it traditionally has been the secret of the stage magician, the public usually has looked on hypnosis as black magic, picturing its practitioners as spell-casting Svengalis (above). But in the past 10 years some 900 U.S. doctors, dentists and psychologists have been quietly employing hypnosis to help their patients. Their success has so impressed the American Medical Association that it has now endorsed hypnosis as a therapeutic aid for doctors and dentists properly trained in its use.

This significant vote of confidence means that more and more Americans soon will be experiencing the feeling (opposite page) of drifting into a vortex of sound—the reassuring, repetitive sound of the hypnotist's voice. They will find that the suggestions his voice plants in their minds can help them through crises that range from the extreme stress of undergoing open heart surgery without general anesthesia to the problem of gagging at the dentist's. They will discover that hypnosis can put them into a contented, relaxed frame of mind, allay their panic and help them forget their ordeal.

As an anesthetic in surgery, hypnosis persuades the patient he feels no pain, prevents the vomiting, fatigue and loss of appetite that often follow operations. It is specially useful in operations where general anesthetics should not be used and in childbirth where too much anesthetic can harm the baby. In relieving cancer pain, it often is better than opiates, for it is not habit-forming, does not lose its effect, as narcotics do.

While medical hypnotists are gratified by its new legitimacy, they are afraid hypnosis may stimulate the fad-loving public to clamor for it as everybody's cure-all. This could cause tragic disappointment, for at least one out of 10 patients cannot be hypnotized at all and one out of six will not go into the deep trance needed for painkilling in major surgery. What is more, hypnosis does not cure anything. Compulsive overeating in obese patients, for instance, can be stopped through hypnosis. But this does not remove the cause of the compulsion—the patient may stop eating candy and start chewing his nails.

Research in hypnosis is still so new that its potentials are not fully understood. Startling new findings on the psychiatric uses of hypnosis and its potential threat in psychological warfare will be discussed in a future issue of Life. Meanwhile hypnotism's most striking present applications, in the fields of child-birth, surgery and therapy, are shown on the following pages.

IMPRESSION of entering a hypnotic trance is portrayed at left. With his eyes closed, drowsy subject feels as if he were floating, receding into a whirlpool of sound—the hypnotist's calming, compelling, insistent voice which seems to be omnipresent and to come to him from all sides.

medical interest is expressed by doctors watching Gynecologist David Cheek (right) hypnotize one of their colleagues (in arm chair). This was in California, at one of a series of symposiums which since 1956 have been attended by over 1,000 physicians, dentists and psychologists.



#### HYPNOSIS CONTINUED



IN TRANCE and thus able to hold arms up without tiring, three expectant mothers practice hypnosis.



HYPNOTIZING HERSELF, Mrs. Mucci makes her arm numb, then transfers numbness to her cheek.



BEFORE DELIVERY doctor tests the state of Mrs. Mucci's trance by telling her to raise her arm aloft.

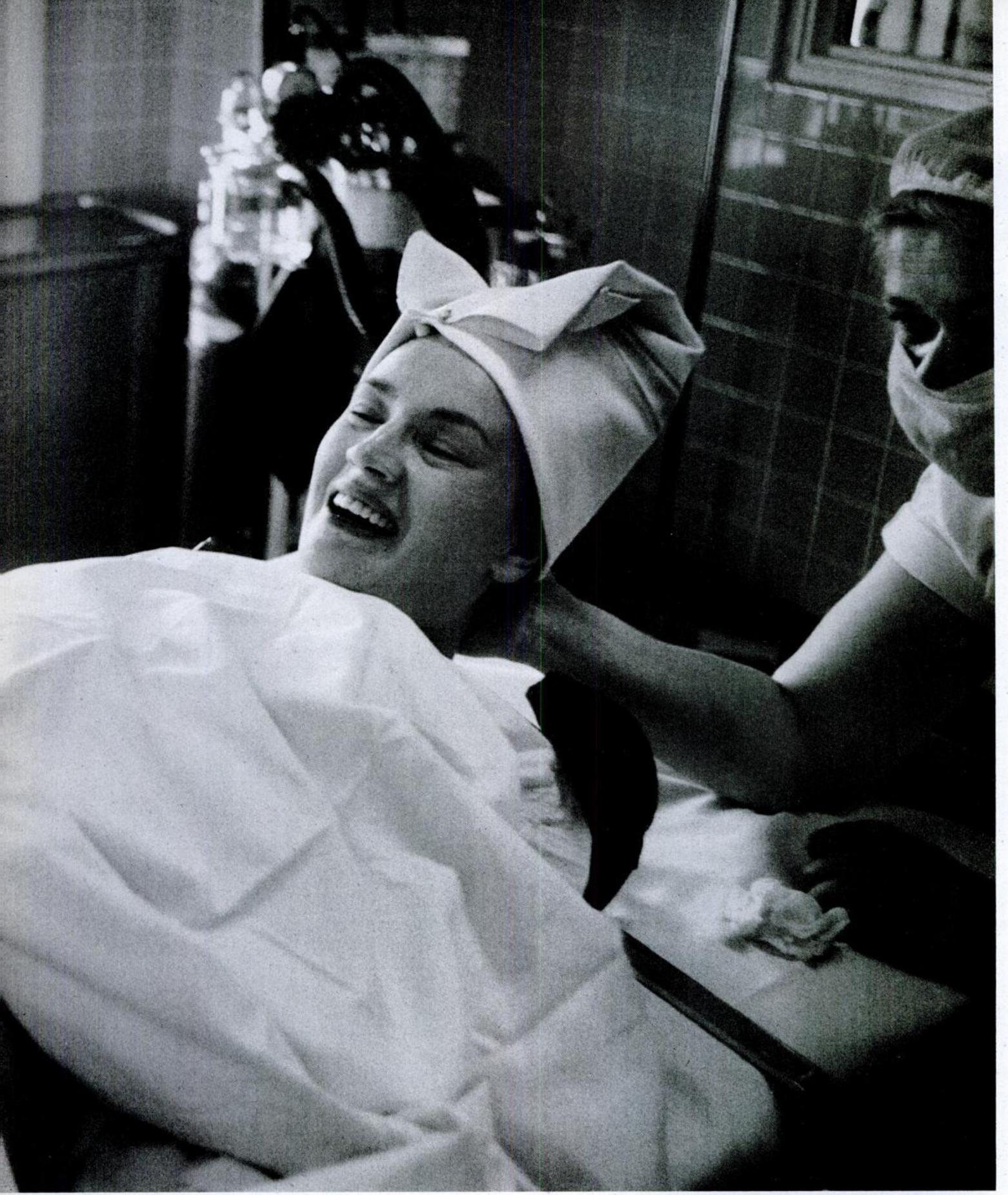


JOYOUS SMILE BREAKS OVER SHIRLEY MUCCI'S FACE AS, COMING OUT OF HYPNOSIS, SHE LOOKS AT HER

# IN CHILDBIRTH, NO SUFFERING AND NO FEARS

"Open your eyes, Shirley. Look—look at your baby." At these words, uttered by a Chicago obstetrician, Shirley Mucci came out of a hypnotic trance and saw her minutes-old son. Hypnotized before going into labor, she was conscious of no discomfort during delivery.

Months before, she had shed the anxieties of pregnancy by attending a group clinic for prenatal training (top, left) where a doctor taught



NEWBORN SON. "OH, IT'S A BOY!" SHE SAYS. "HE'S BEAUTIFUL." THROUGHOUT LABOR AND DELIVERY SHE RECEIVED NO ANESTHETIC BUT STILL FELT NO PAIN

her to hypnotize herself by repeatedly assuring her under hypnosis that she would be able to put herself into a light trance at will when she got home. For 15 minutes each day Mrs. Mucci had done so (middle, left), closing her eyes, telling herself she was very relaxed and that her arm was as numb as if it were anesthetized. Then she had said to herself over and over, "I'm completely calm. I am not at all worried."

At the hospital she hypnotized herself again as labor began. Next morning the doctor came by, said, "Now it's time to go under." Imme-diately she did. Her husband came in. "Ralph will now put his hand on you," said the doctor. "Ralph will reinforce you." In the delivery room the doctor murmured, "Think of you're gardening. . . . I want you to pant like

a dog. Grunt. Pant." At delivery he said: "You don't feel anything." And Mrs. Mucci did not. Not all pregnant women can be as fully hypnotized as Mrs. Mucci. Nor should all cases be hypnotized. But for many women the elimination of tension through hypnosis is a blessing. And for those who have to be delivered by Caesarean section yet cannot tolerate required anesthetics, this is an ideal way to have a baby.

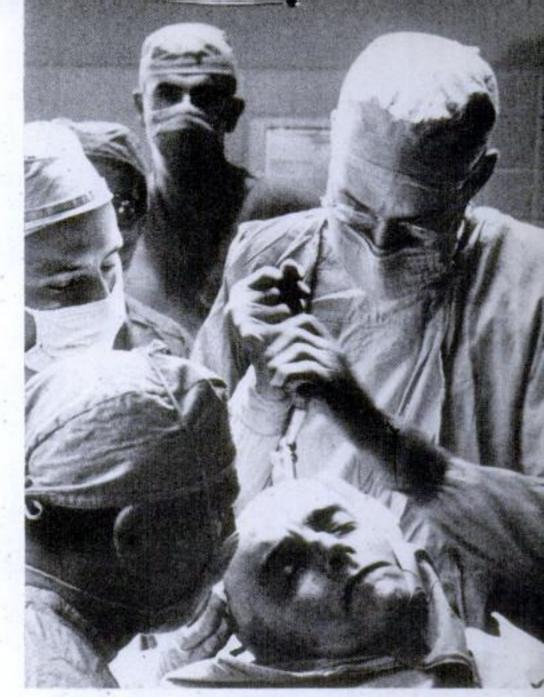
#### IN STRESS-FREE SURGERY . .



BEFORE SURGERY nurse helps Fred Heywang eat. Parkinson's disease has crippled his right arm.

For Fred Heywang, five hours of what might have been living hell went by in peace. At Dallas' Parkland Memorial Hospital, Psychologist Harold Crasilneck, the hypnotist, kept him relaxed during the awful stress of operation while part of his skull was removed and a needlelike instrument inserted deep into his gray matter.

Heywang, who had been suffering from crippling limb tremors for 20 years, had to undergo this without a general anesthetic. Surgeon Kemp Clark had to be able to watch his reactions as he penetrated the brain to discover which part was the area controlling spasms and then treat it to stop the spasms. Under hypnosis Heywang was conscious enough for Dr. Clark to see when the tremors stopped. Only once did Heywang sense mild pain, saying, "Oh, brother! It feels like a thousand bites." When he awoke, he recalled little of his trial, raised his arms and gasped, "My palsy's gone!"



DURING DRILLING Heywang is calm, pain-free, keeps eyes closed as hypnotist (foreground) talks.

MAKING SURE HEYWANG IS IN TRANCE, DR. CRASILNECK (LEFT, FRONT) SAYS TO HIM AT SURGERY'S START, "YOUR ARM FEELS FLOATY, AS IF A BALLOON WERE



AFTER OPERATION Heywang can use right arm, now tremor-free. His legs also are no longer shaking.

#### . . AND PAINLESS THERAPY

For Dorothy Haralson, hypnosis meant the end of torture. Her body had been burned when a gas heater exploded in her Irving, Texas home. As healing began, dead tissue had to be cut away, and she was supposed to exercise her badly injured right arm. But even with opiates the pain was so excruciating (right) she refused to move the limb and its muscles contracted.

At Parkland Memorial Hospital her surgeon suggested that the Dallas psychologist Harold Crasilneck (below) try hypnosis. Under it she felt nothing during tissue removal. Later he hypnotized her for therapy. "You are getting drowsy," he suggested. "Your eyes are sealed tight, though you are very relaxed. We're going to exercise that arm. Stretch it, stretch it. When you wake up you will continue to move it but this will not be painful." Awakened, she moved her arm. "How do you feel?" asked Dr. Crasilneck. "Just fine," she beamed.

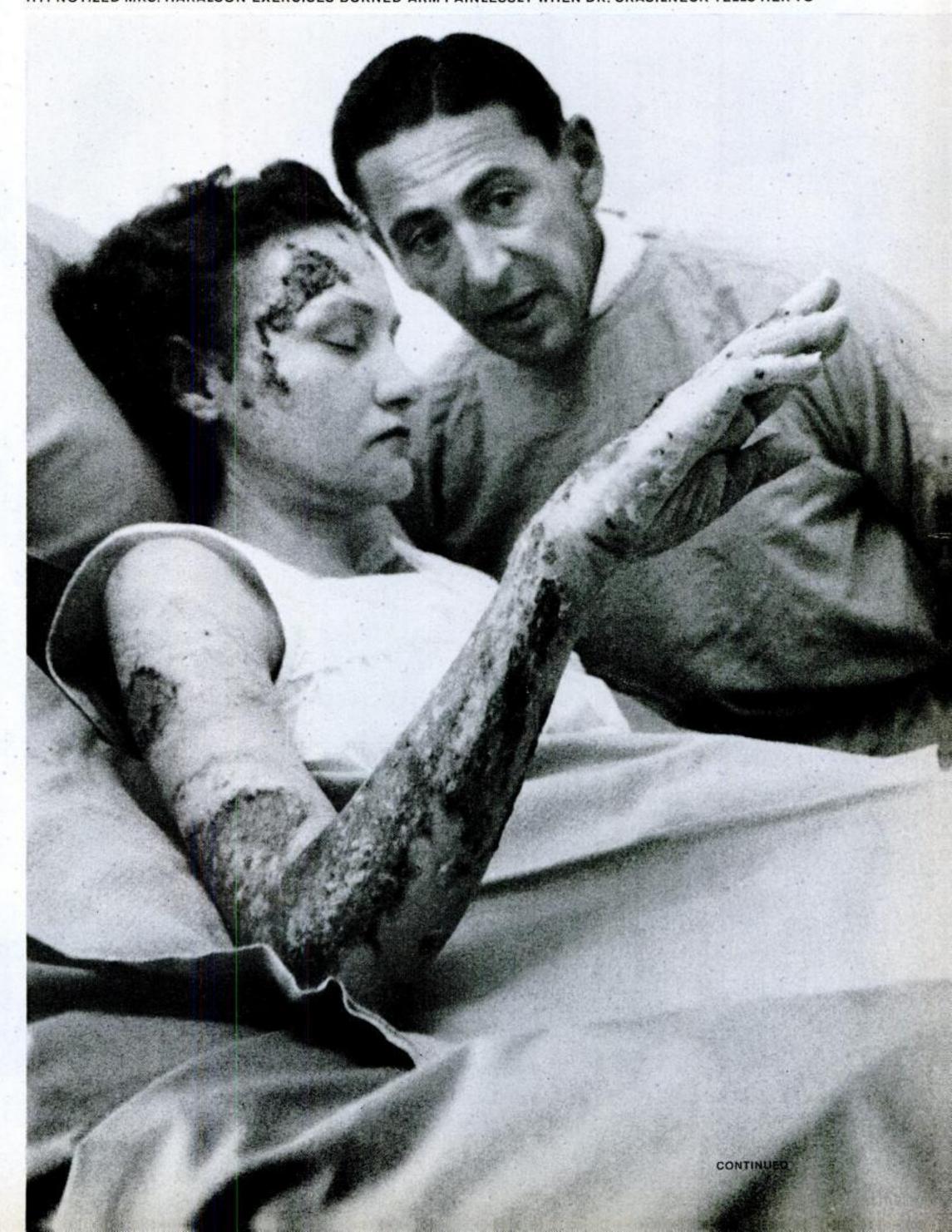


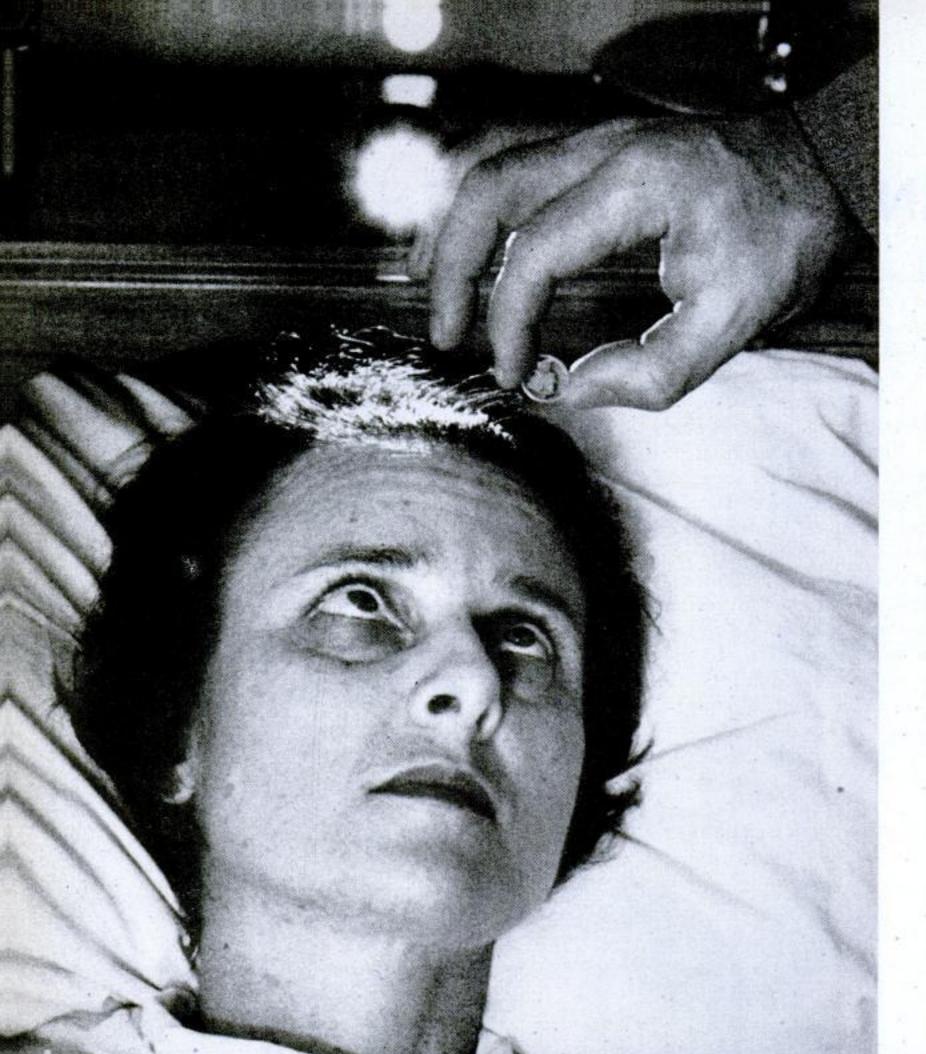
WITHOUT HYPNOSIS, Mrs. Haralson holds brow in agony during the changing of her burn dressings.

PULLING IT UP." HEYWANG THEN RAISES HIS ARM

HYPNOTIZED MRS. HARALSON EXERCISES BURNED ARM PAINLESSLY WHEN DR. CRASILNECK TELLS HER TO







ENTERING TRANCE, Maxine Rhodes stares at coin held by her doctor at her Phoenix, Ariz. home. She has had pelvic operation for cancer, was in great pain.



LOSING HER PAIN, Mrs. Rhodes blissfully relaxes as the doctor then tells her that a soothing warmth is spreading through her back, abdomen and thighs.

#### HYPNOSIS CONTINUED

# IN CANCER, A RESPITE FROM TERRIBLE AGONY



REMEMBERING PAST PAIN, Mrs. Rhodes has moment of anguish. Hypnotist purposely has her recall pain so that later pain-free contrast will be stronger.



AWAKENING, Mrs. Rhodes is conscious of no discomfort, no fear. She feels actually cheerful. Repeated hypnotic sessions will sustain her renewed will to live.



FINDING HERSELF PAIN-FREE, Mrs. Rhodes smiles with relief at Dr. Byron Butler, who was both her surgeon and hypnotist. When he left, she frequently

played records of his voice to maintain the beneficial effects of hypnosis until next session. She even felt well enough to plan some photography—her former work.



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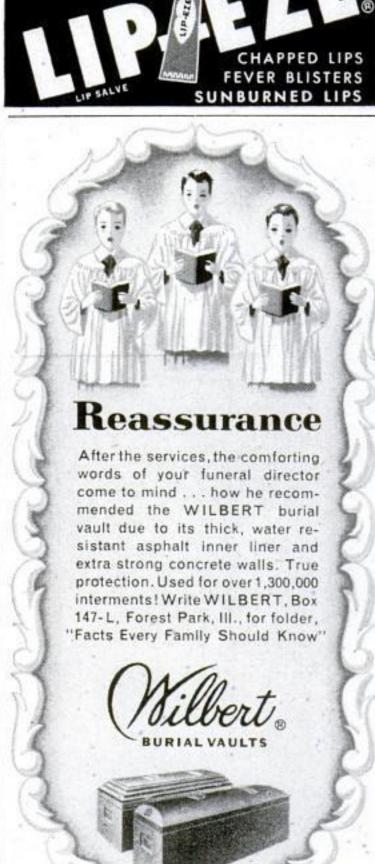
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VAUDEVILLE HYPNOSIS, shown in this early photo and still practiced by entertainers, is deemed dangerous by medical hypnotists. Here hypnotized subject has been made so rigid he is like plank, can support weight of two men.

HYPNOSIS CONTINUED

## HUMBUG IN THE PAST, DANGERS IN PRESENT

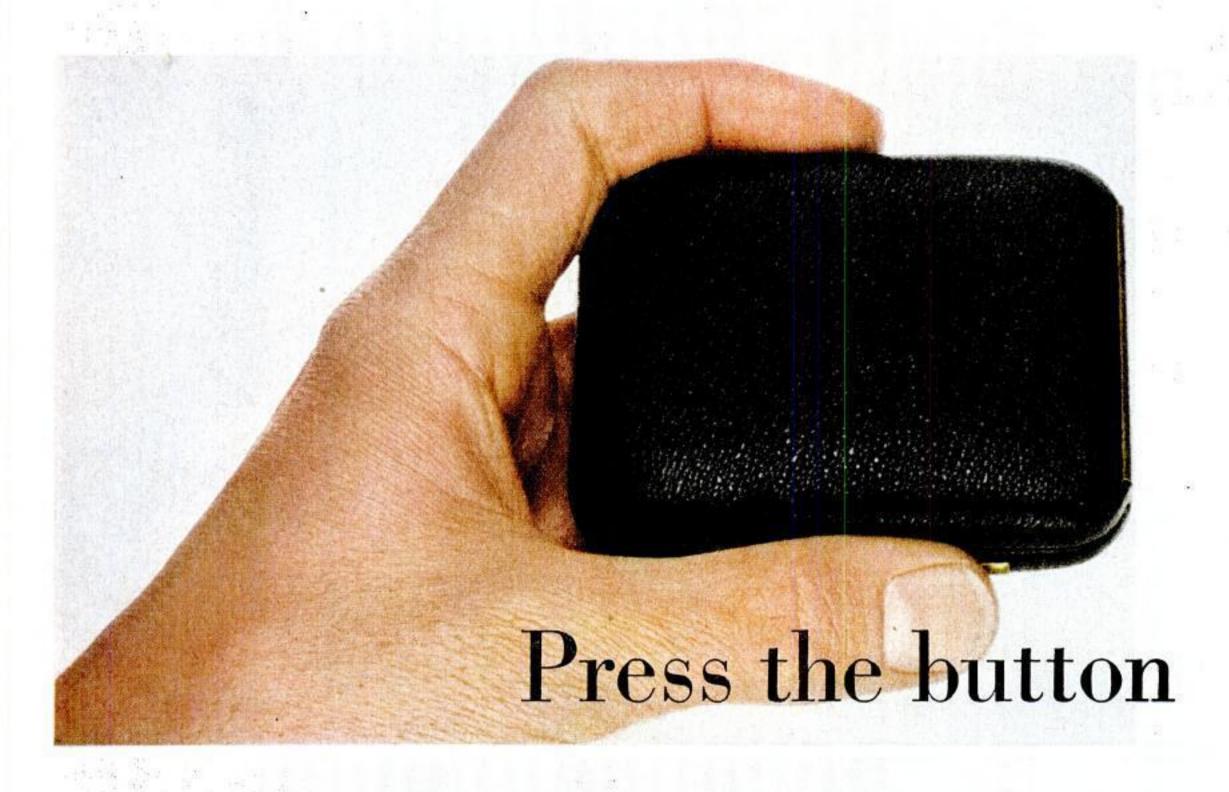
THE widest use of hypnosis in modern times has been for enter-I tainment, and the medical profession views with considerable alarm the stage magician who puts members of his audience into trances. Both physical and mental harm can come from his act. "The use of hypnosis for entertainment purposes," the A.M.A. has flatly stated, "is vigorously condemned." Medical hypnotists hope state governments will pass bills banning hypnosis in the amusement field, but the opposition from entertainers is powerful. In 1957 the city council of Buffalo, N.Y. considered such a resolution. It was opposed by Ring Twelve of the Buffalo Magic Club on grounds of discrimination and was quietly dropped.

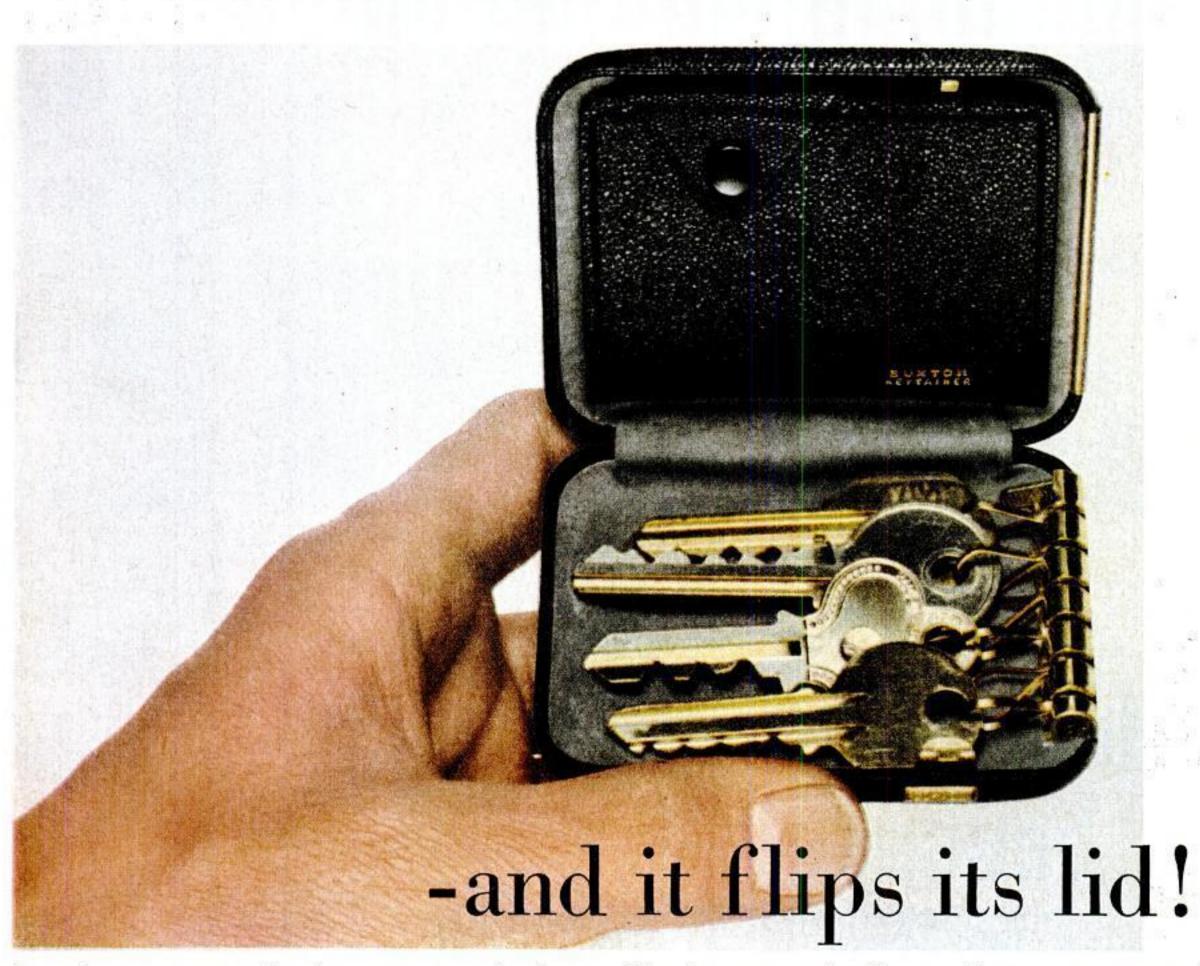
Hypnotism has a long history of misuse. Its earliest uses were religious and medical at the same time, for primitive man correlated faith with healing, considering the witch doctor both priest and physician. As far back as the Old Stone Age, anthropologists believe, religious leaders awed their caveman audiences by going into hypnotic trances. Ancient soothsayers who gazed into crystals to divine the future undoubtedly fell into trances, believing this gave them foresight. Persian magi and Hindu fakirs practiced self-hypnosis, claiming supernatural healing powers when in this state. The priests of ancient Egypt brought their patients to temples and, using a form of hypnosis, told them the gods would cure them as they slept.

In later centuries certain religions retained self-hypnosis as a spiritual aid. During the 1880s the Christian monks of Mt. Athos in Greece practiced it as part of their devotions. So do Hindu yogis of today. But in medicine hypnosis was not recognized in modern times until the end of the 18th Century. Then Franz Anton Mesmer revived and expanded an old and erroneous theory that sickness was due to an imbalance of "universal fluids" which, he believed, could be readjusted by man through a magnetic force. He used a type of hypnotism to control this force and treat patients. Europe's aristocracy took up mesmerism as a fad until a scientific commission, which included Benjamin Franklin, denounced his practices as humbug.

One of Mesmer's disciples, the Marquis de Puységur, accurately described Mesmer's "magnetism" as artificial somnambulism. The British Surgeon James Braid said it was a state of mind and named it hypnotism. In 1821, in France, the first operation under hypnotic anesthesia was performed. It was followed over the next 60 years by thousands of other operations carried out by European surgeons. Dr. James Esdaile even persuaded the British government to set up three hospitals in Britain and India where hypnosis would be used.

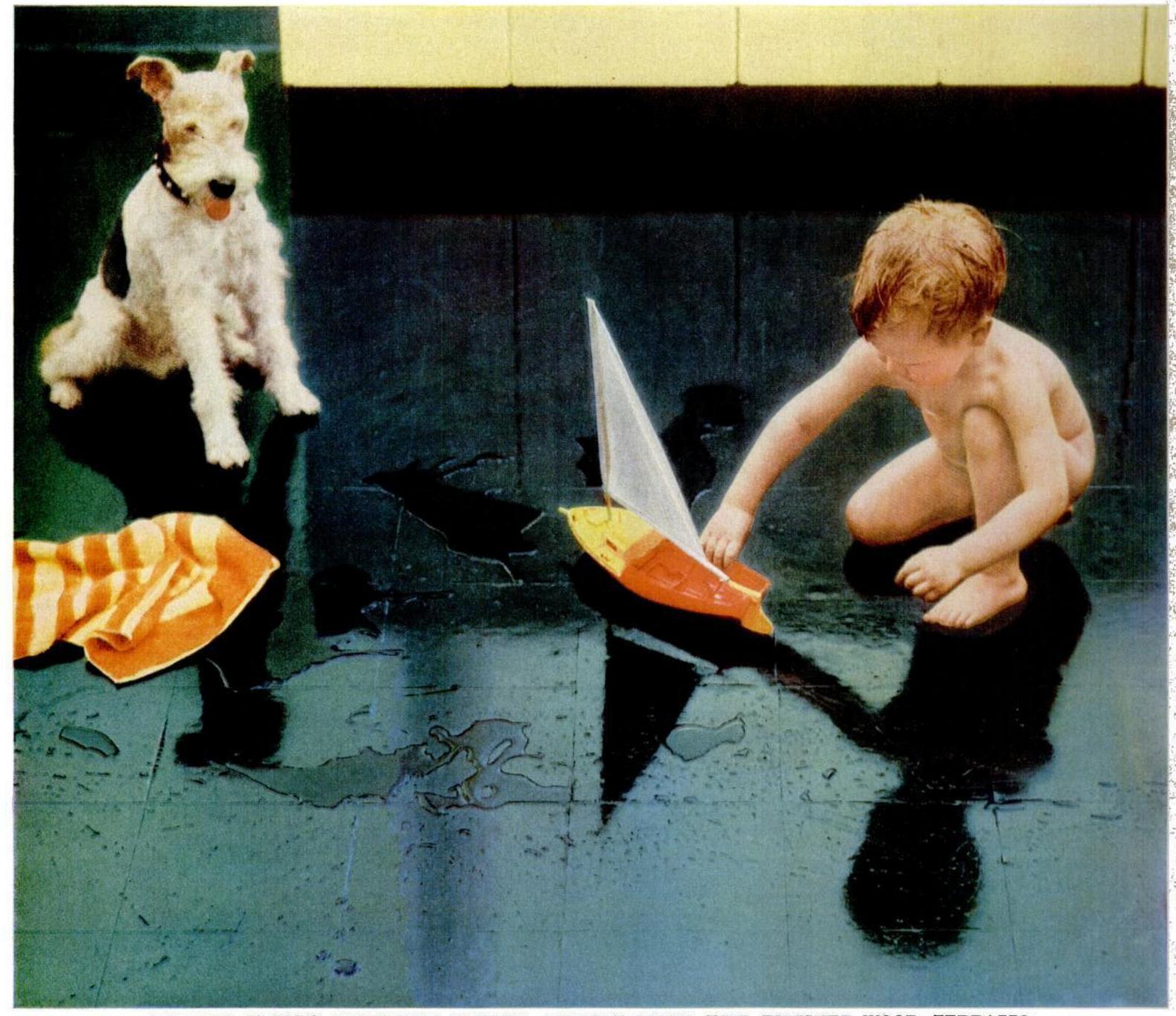
At the turn of the century, hypnosis received a crippling blow. Sigmund Freud tried it to treat hysteria but discarded it as ineffective and turned away from it in favor of psychoanalysis. This nearly ruined hypnotism's reputation. It was not considered valid treatment again





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HYPNOTIZING CHILD, Dr. Abraham Weinberg of New York puts 8-year-old Jay Avelino into trance (*left*) by repeating that Jay is leader of cowboy band. Doctor then painlessly sews up long cut on boy's brow without anesthetic.

#### HYPNOSIS CONTINUED

until World War I, when it was briefly used to treat "shell shock." But doctors did not understand it and lost interest in it. In World War II the old tool was tried again for combat neuroses. This time doctors began to study its complex nature and to prove its worth.

Today most practicing medical hypnotists are not full-time hypnotists but are doctors who use hypnosis as an aid to their practice. In the U.S. there are about 400 dentists well trained in its use, 250 general practitioners, 150 specialists such as obstetricians, internists, surgeons and anesthesiologists, and 100 psychologists and psychiatrists. Some of these men were recently trained at medical schools but more than half learned the techniques by themselves years ago when no good courses were available. Only two U.S. universities now offer extensive training in hypnosis, giving it as a graduate course which is open to any doctor, dentist or psychologist.

Hypnotism's increasing popularity will almost certainly create a shortage of trained practitioners. The first and oldest organization of medical hypnotists in North America today, the Society for Clinical and Experimental Hypnosis, recommends at least a year of training for any doctor or dentist who wants to use hypnosis in his specialty. It fears some doctors will try hypnosis after only a cursory course and, unaware of its limitations, will do more harm than good. "Quickie courses," warns Dr. Milton V. Kline, editor of the society's journal, "give the men the tool but not the appreciation of how carefully it must be used." He points to the case of a patient who came to him after having been hypnotized by a dentist. With hypnosis the dentist had stopped the man from grinding his teeth. But the man was neurotic and when he could no longer find a teeth-grinding outlet for his tensions, he started to overeat. When Kline got him, his weight had soared from 145 to 288 pounds.

#### Widespread application and a warning

YPNOSIS is now being tried in many cases other than major surgery—to treat asthma, hay fever and multiple sclerosis, relieve pain in minor surgery, help patients hold awkward positions for skin grafting and substitute for the needle at the dentist's. But as these applications become more and more varied there is danger that the public will take to hypnosis as heedlessly as it has welcomed tranquilizers. Doctors may be pressured into using it unwisely. To avoid this, Southwestern Medical School in Dallas (pp. 116–117) permits hypnosis only after the case is discussed at a conference of several different specialists.

Dr. Harold Crasilneck (p. 117) advises that hypnosis "should be used only with specific cases that no longer respond to standard treatment." Some doctors may not heed this advice. Having used hypnosis to relieve physical distress during a patient's ulcer operation, for instance, a too ambitious doctor may try to get at the psychosomatic reasons for the ulcer. Unless he is grounded in clinical psychology he can botch this and drive the patient into hysteria.

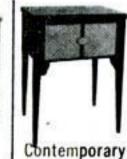
Unfortunately, healing by untrained hypnotists flourishes in the nation today and the situation may get worse now that hypnosis is medically respectable. Many reputable hypnotists now warn their patients under hypnosis: "You will never under any condition allow yourself to be hypnotized by anyone who is not qualified to do so."

The true nature of hypnosis is still debatable, but in general it acts in the following manner. Usually, for a person to "go under,"



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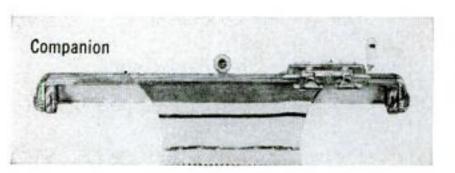








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#### HYPNOSIS CONTINUED

or be induced into a trance, he must be willing. No one normally can be hypnotized against his will, nor will anyone who is hypnotized perform an act that goes against his best interests. The best subjects are those who want it most—those in great pain.

Induction works only if the person concentrates completely on one repetitive stimulus, somewhat in the way an infant falls asleep to the repeated rocking of his cradle. This stimulus can be sight or sound or, as in the case of the whirling dervish, motion. In a typical hypnosis session, the subject responds to only one of his five senses. As he stares fixedly at a small object or a light, his vision becomes fuzzy with fatigue and he is unaware of any sensation except hearing. He pays attention to only one sound, the hypnotist's voice murmuring repetitively, "You are so sleepy, so very, very sleepy." The voice gets the brain's undivided attention and literally talks the brain into a sleeplike trance.

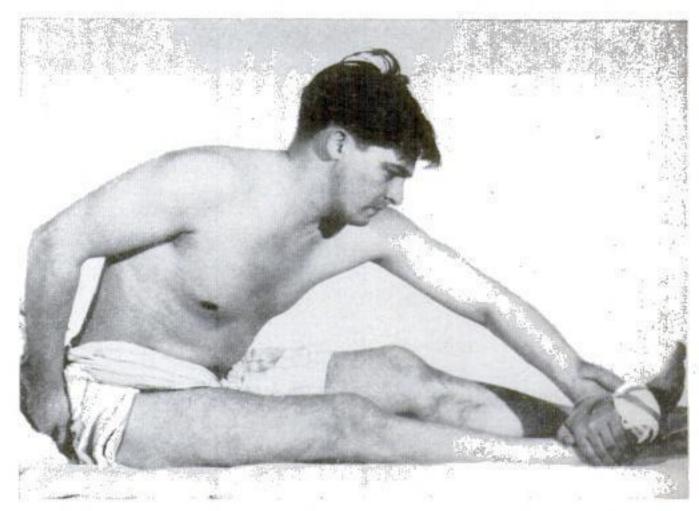
As he drifts off, the subject may feel slightly dizzy, as though swaying, floating or falling down a shaft. Objects around him may seem to waver, as if seen under water. His temperature may fall slightly. He may see streaks of light, gaudy kaleidoscopic patterns or complementary colors—a green wall may look yellow. Patients have described such temporary illusions as "I feel as if my body were not here, only my head," or "I am an egg-shaped disk, and you [the doctor] are like a luminous crescent hovering over me."

The illusions and strange feeling of unreality come from the fact that during induction the personality that the patient had when he was awake—his consciousness—becomes temporarily altered. With many inhibitions released, he may feel intense emotion—generally elation, but occasionally anger and terror. Then his ability to perceive sensations and to conceive ideas about them change. He will take unreal things for reality, but only if this is suggested to him as an image. For example, one subject had no reaction whatever when informed under hypnosis: "Your temperature is falling." But when told that he was going up into the stratosphere in a plane, the image made him start to shiver and his temperature dropped to 92°.

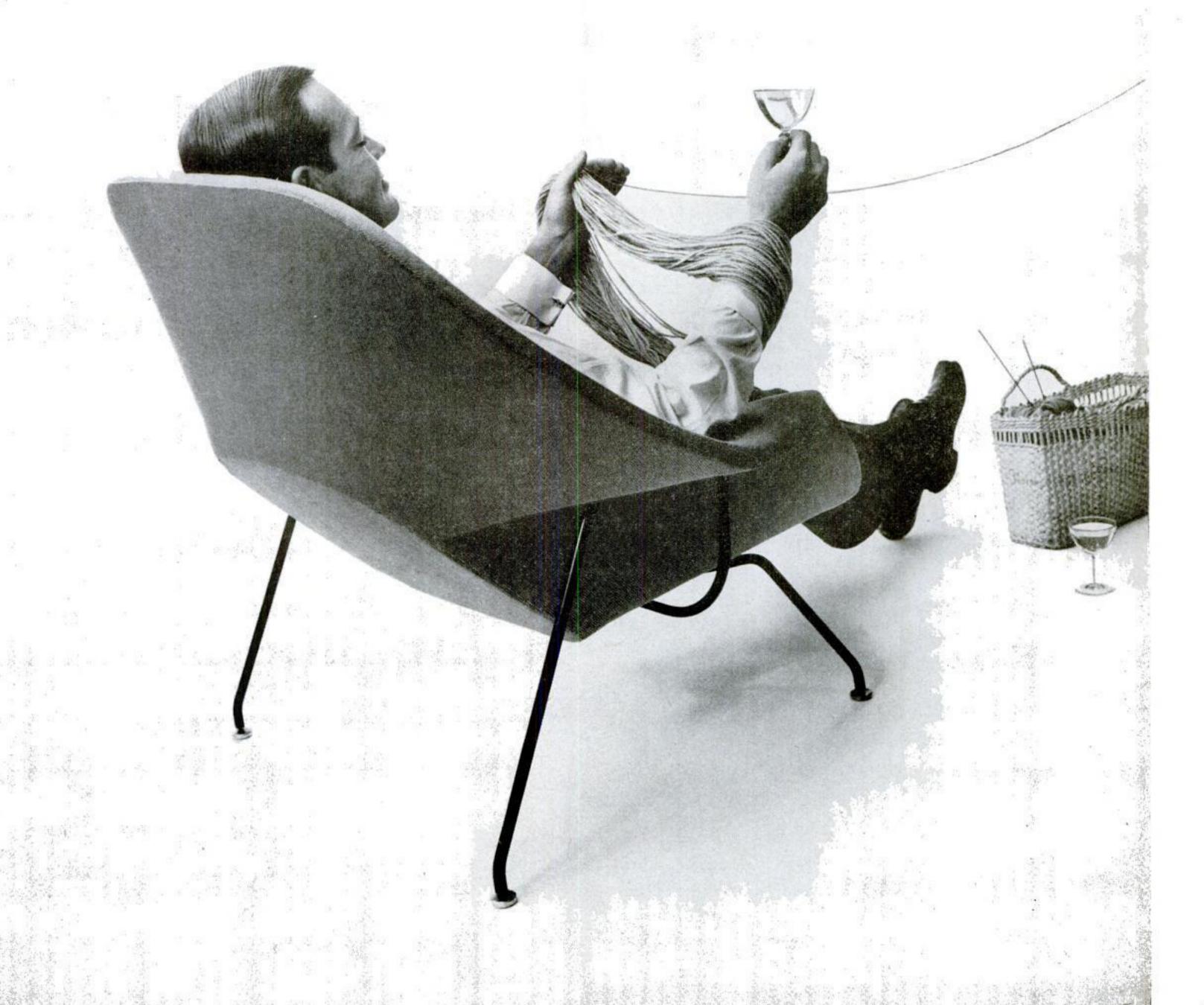
When a patient is in a trance his subconscious can be influenced. He lacks volition, feels that resistance is too much effort. He is extremely susceptible to suggestion, reacts to what he is told without question or criticism. If he has to undergo surgery, he will, under hypnosis, be convinced that he is pain-free. Physically he will be receiving pain, for damaged nerves will be sending signals to his brain. But psychologically he will not be feeling pain, for his brain will refuse to perceive these signals and coordinate them into the feeling of pain.

How far suggestion, which is intensified in hypnosis, controls the reactions of the human body becomes of increasing importance to doctors as they use hypnosis more widely. Recent experiments indicate that hypnosis may affect more than the brain and may actually reduce the nerves' pain signals.

Other tests give startling evidence of hypnotism's power over physical functions. Some subjects were given constipating doses of opium under the guise of castor oil; the results were cathartic. A patient whose leg was immobilized with anesthetic was told under hypnosis that he could walk—and he did, as though his leg were normal. Another was advised he was swallowing spoonfuls of honey, and the sugar content of his blood immediately rose. And one man, assured he was eating tenderloin, chewed up a blotter with great satisfaction.



SKIN GRAFT WITH HYPNOSIS gave new foot to British workman who lost toes in accident. With help of hypnosis he held wrist-to-ankle position for 28 days without lameness or discomfort until graft from arm "took" on foot.



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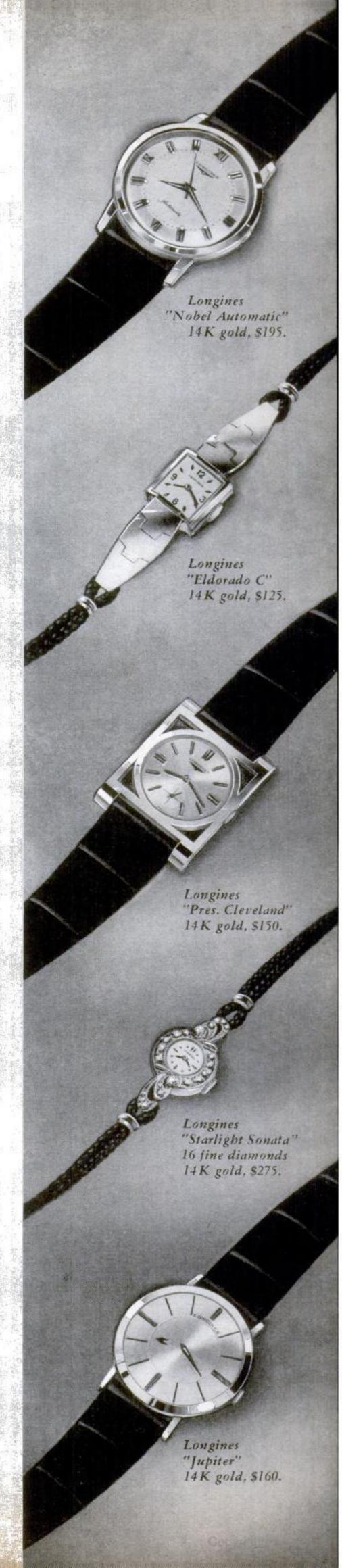
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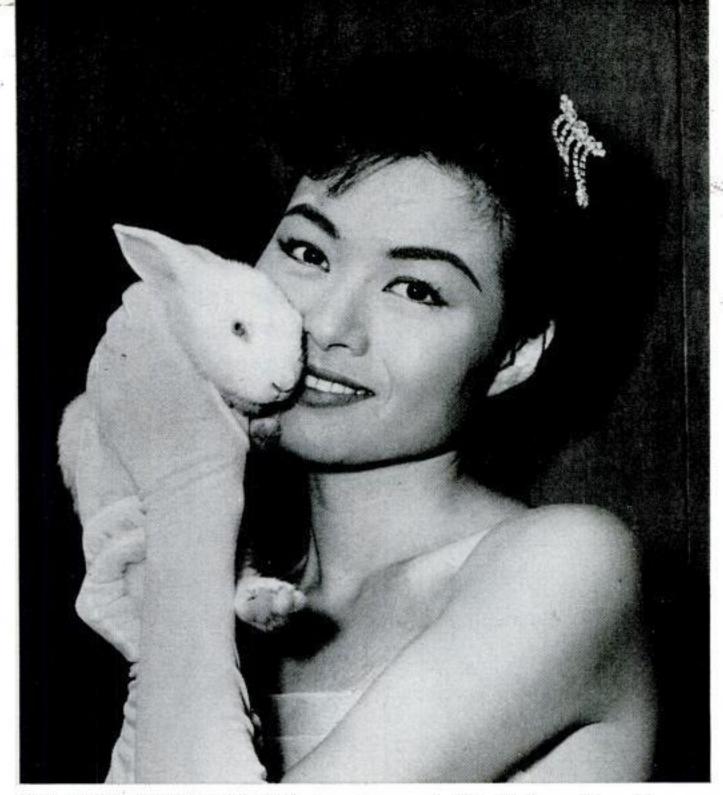
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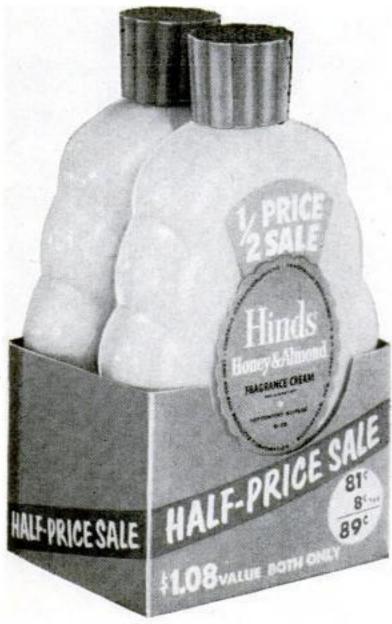
# A Girl from Japan Named McCarthy

The radiant young lady in the old-fashioned net hammock below is Nobu McCarthy of Hollywood, formerly Nobu Atsumi of Tokyo. She was born 23 years ago in Ottawa but she grew up in Japan where her father was a dress designer. After school she started a career as a radio singer. This was interrupted by Tokyo's dress designers, including her father, who discovered that she photographs extraordinarily well. They made her the town's top high-style mannequin and got her elected Miss Tokyo. Then a GI named David McCarthy met her, dated her, made her Mrs. McCarthy and carried her off to America amid wild cries of anguish from the dress designers of Japan, Papa Atsumi included.

In Hollywood, where David set up an embroidery business, Nobu tried movies. She missed out on Sayonara because her English was rudimentary, but later managed to land a few small roles. Jerry Lewis, casting Geisha Boy for Paramount, saw her. She was wearing a Japanese kimono and he turned her down. Then he saw her again. This time she was in chic Western clothes and he enthusiastically signed her up. In her first big role Nobu plays a Madame Butterfly in reverse, a lady who lures a magician and his rabbit away from America and to the theaters of Japan.







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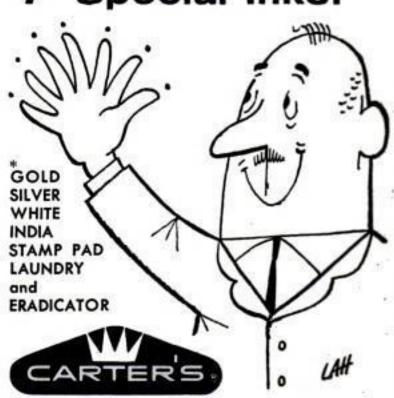
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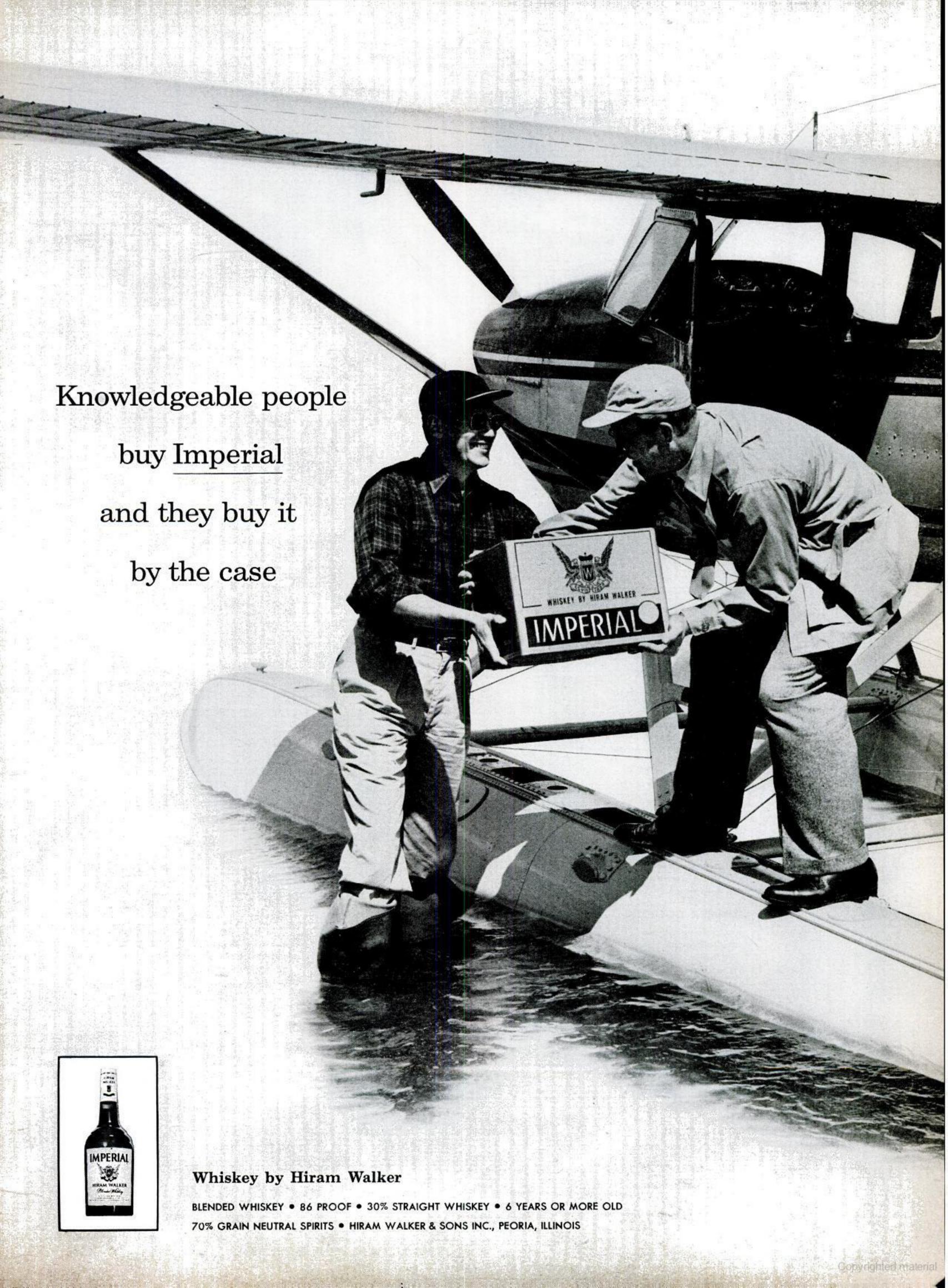
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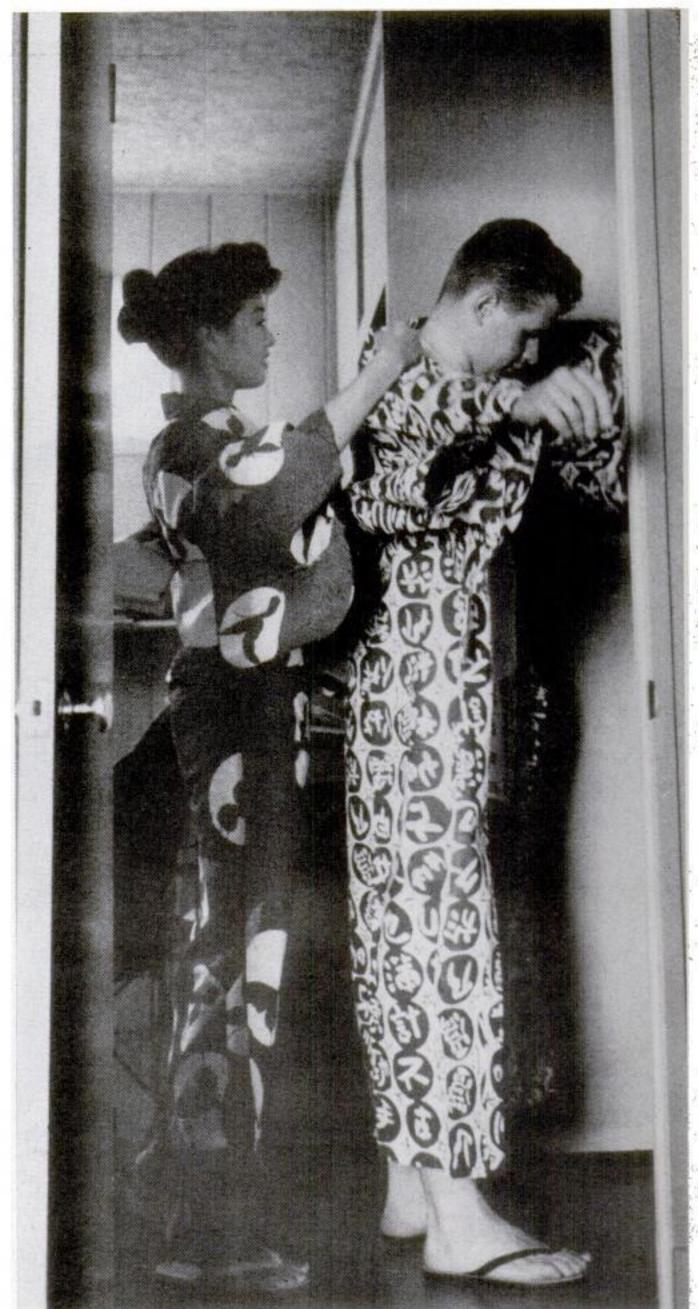
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#### GIRL FROM JAPAN CONTINUED



AFTER DAY'S WORK Nobu helps David into kimono in their home on hills above Los Angeles. They like to wear Japanese clothing around house.



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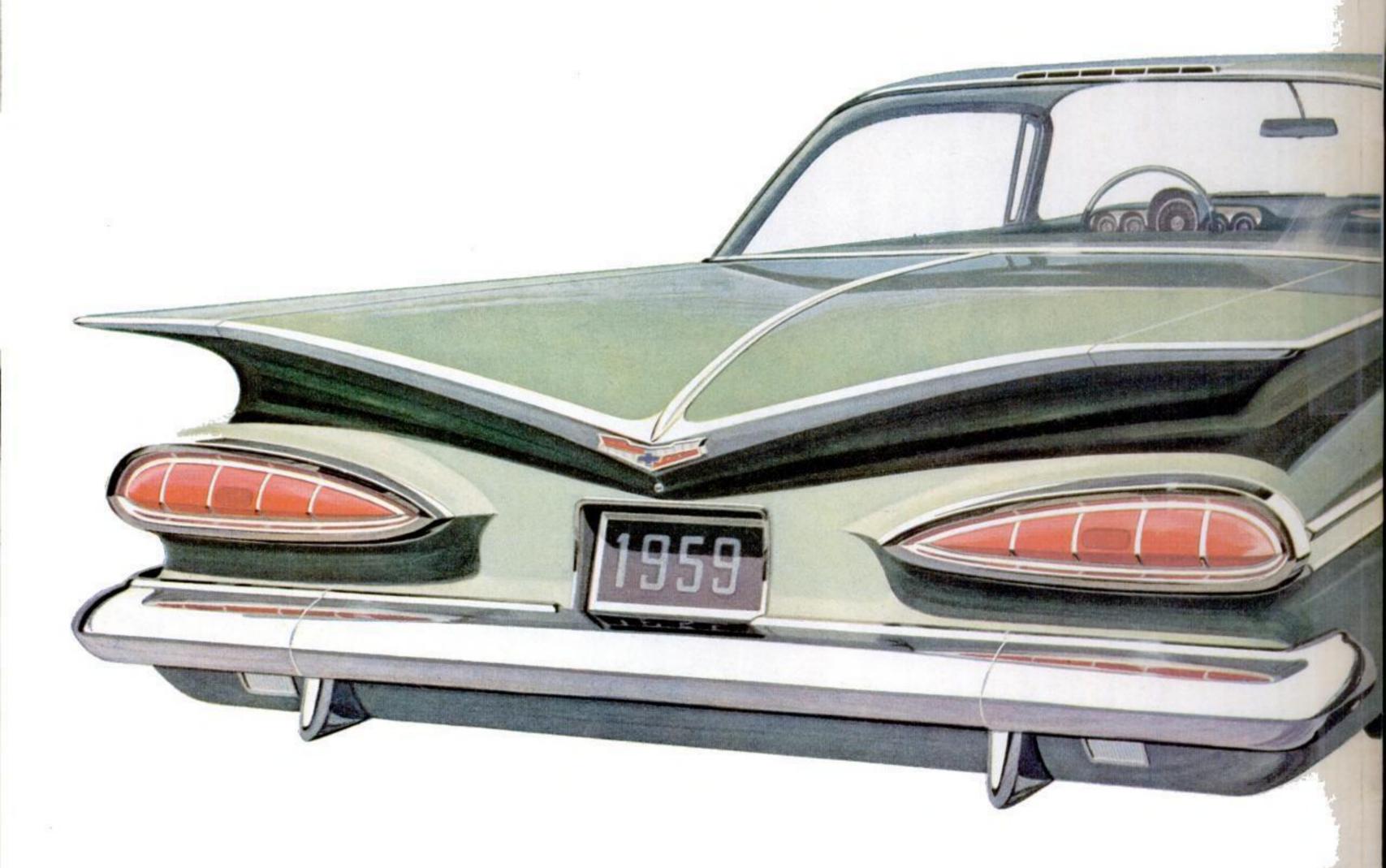
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# NOTHING'S NEW



From the winging shape of its saucy rear deck to the simple elegance of its grille, this car shows you it's new in a decidedly different way. You get more of what you want—more spacious interiors, vast new areas of visibility, bigger brakes for safer stops, a longer lasting finish, a new Hi-Thrift 6, new handling and riding ease. And you get all the solid virtues of economy and practicality you've come to expect in a Chevy.

One look at this '59 Chevrolet tells you here's a car with a whole new slant on driving. You see the transformation in its low-set headlights, the overhead curve of its windshield, the sheen of its Magic-Mirror finish—a new acrylic lacquer that practically does away with waxing and polishing.

But to discover all that's fresh and fine you must relax in Chevy's wider seats (up to 4.2 inches more room in front, 3.3 inches in back), feel the loungelike comfort of its new interior (with durable, color-keyed upholstery that now extends snug to the windows), experience the hushed tranquillity of its new kind of ride (offering a choice of improved Full Coil or gentler-than-ever Level Air suspension\*).

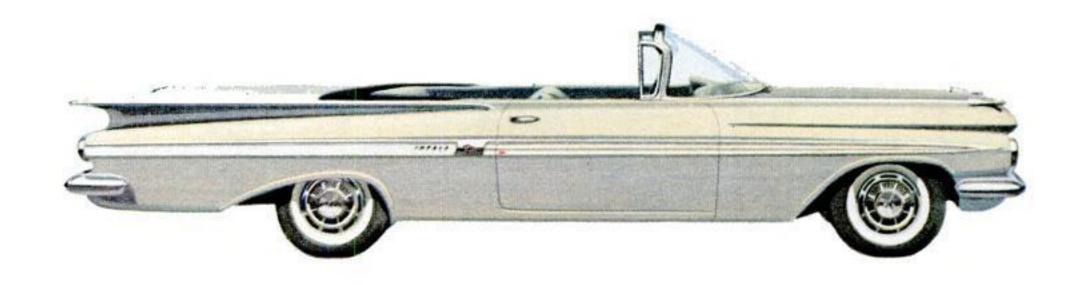
Once on the road you'll also find such basic benefits as bigger, better cooled Safety-Master brakes that last more than 50% longer, a solidly built Body by Fisher that reduces road noise, new easy ratio



## 



The Impala Sport Coupe with a roomier Body by Fisher.







Top to bottom: the Biscayne 2-Door Sedan, the Impala Convertible, the 6-passenger Parkwood wagon, the Bel Air 4-Door Sedan



What America wants, America gets in a Chevy!

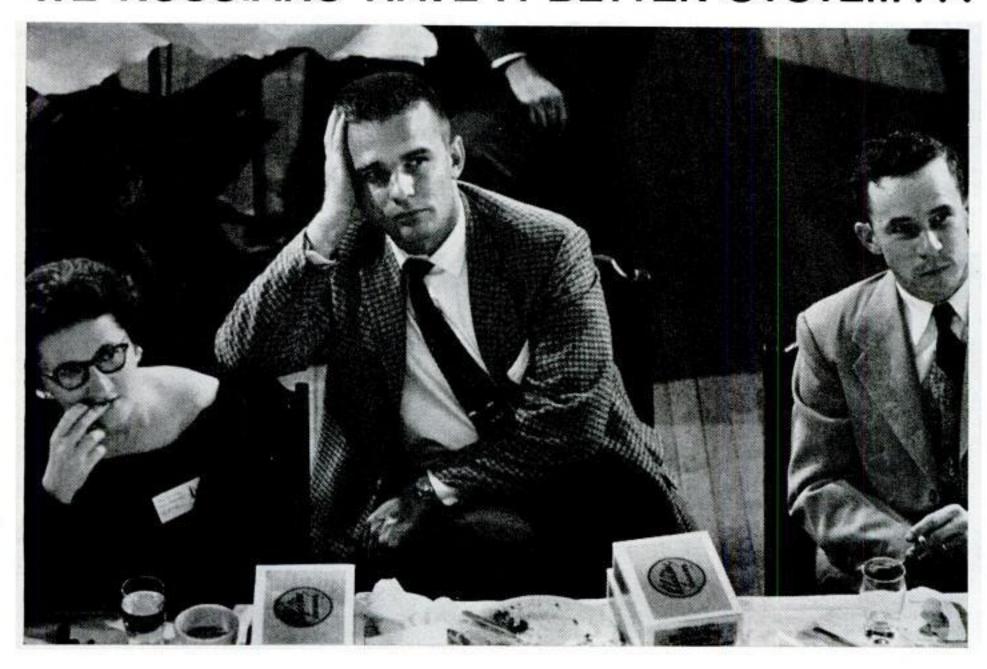
steering that comes next to power steering for effort-free turning. Another thing you'll be quick to notice is the engineful of ginger you get in this new Chevy, whether you pick one of the vim-packed V8's or the new Hi-Thrift 6 that actually gets up to 10 percent more miles a gallon.

Your dealer's waiting with the car that's shaped to the new American taste.

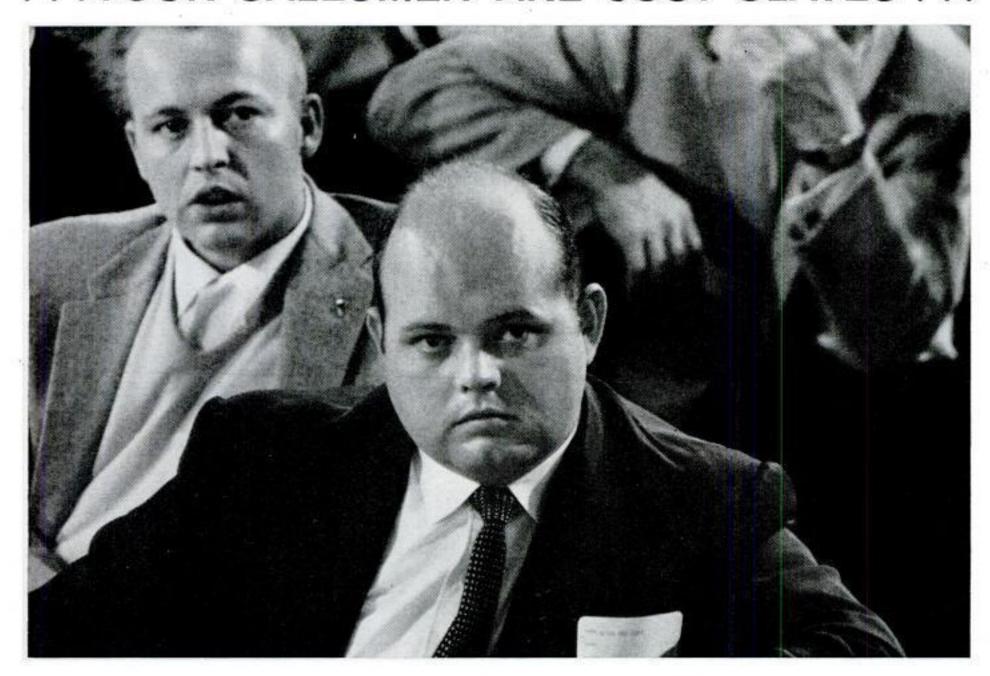
... Chevrolet Division of General Motors,
Detroit 2, Michigan. \*Extra-cost option

# Bullet Ser. Bul. THE KING'S CREDENTIALS! The King of Beers prints its ingredients right on the label. Know of any other beer that does? ANHEUSER-BUSCH, INC. . ST. LOUIS NEWARK . LOS ANGELES . MIAMI

#### 'WE RUSSIANS HAVE A BETTER SYSTEM . . .



#### . . YOUR SALESMEN ARE JUST SLAVES . . .



#### . YOUR IGNORANCE IS NOT YOUR FAULT'





FROM RUSSIAN VIEW lecturer lists the faults of U.S. capitalism. Audience (pictures at left) reacts.

# RED TALK STIRS UP A CROWD

"All what you know is misleading propaganda you read in the newspapers," the Russian-accented speaker told members of the Sidney, Neb. Junior Chamber of Commerce. "You accept this because you don't know any better." The audience recoiled—as shown in the pictures at left—in shock and then in anger at his outrageous statements although they had been told that the lecturer was Vladimir Janovek, of the Soviet Union's United Nations delegation and could have expected the worst.

From the moment he arrived Sidneyites had been waiting for the speech with growing apprehension. At the airport Janovek spoke in monosyllabic grunts that rebuffed all conversation. Asked what he thought of "our fair town," he replied with a surly, "It's hot!"

As he continued his diatribe at the dinner, guests began to shout back at him. When he said the U.S. farm program was Communistic, one listener, who had taken enough, stalked out. "I am not surprised at your stupidity," Janovek shouted. And then, with his next sentence, the audience began to smile and then to laugh. It soon became apparent why this was.

TURN PAGE

## BUT THE BIG JOKE IS ON THE AUDIENCE

When the Russian said, "I tell you the Russian people are happy, very happy. They are happy to be alive," and followed that up with, "You Americans, your cars are too little. In Russia we have millions of big heavy cars. We call them tanks, but still . . ." the audience realized they had been hoaxed and began to laugh. The fact is the "Russian" speaker

is actually a Denver executive named William Chenoweth Jr. He has been outraging and entertaining audiences with his act since 1950.

After he sat down the "Russian" was reintroduced with his real name and the seven men in Sidney who had been in on the hoax joined their amused friends in standing ovation for the man who had made them mad.



IN ON THE JOKE the spectators laugh as the phony Russian says, "In Russia we too have the incentive system. It goes this way: turn Communist or else."

STANDING OVATION greets Bill Chenoweth Jr. after speech which he has given 72 times. Once, before they caught on, an entire audience walked out on him.



# PLAIN HORSE SENSE

shows why Allstate auto insurance costs less

It's based on the same big-volume, low-overhead, quality-for-less principle that made Sears famous for value

Allstate cuts red tape and sales costs—passes savings on to you

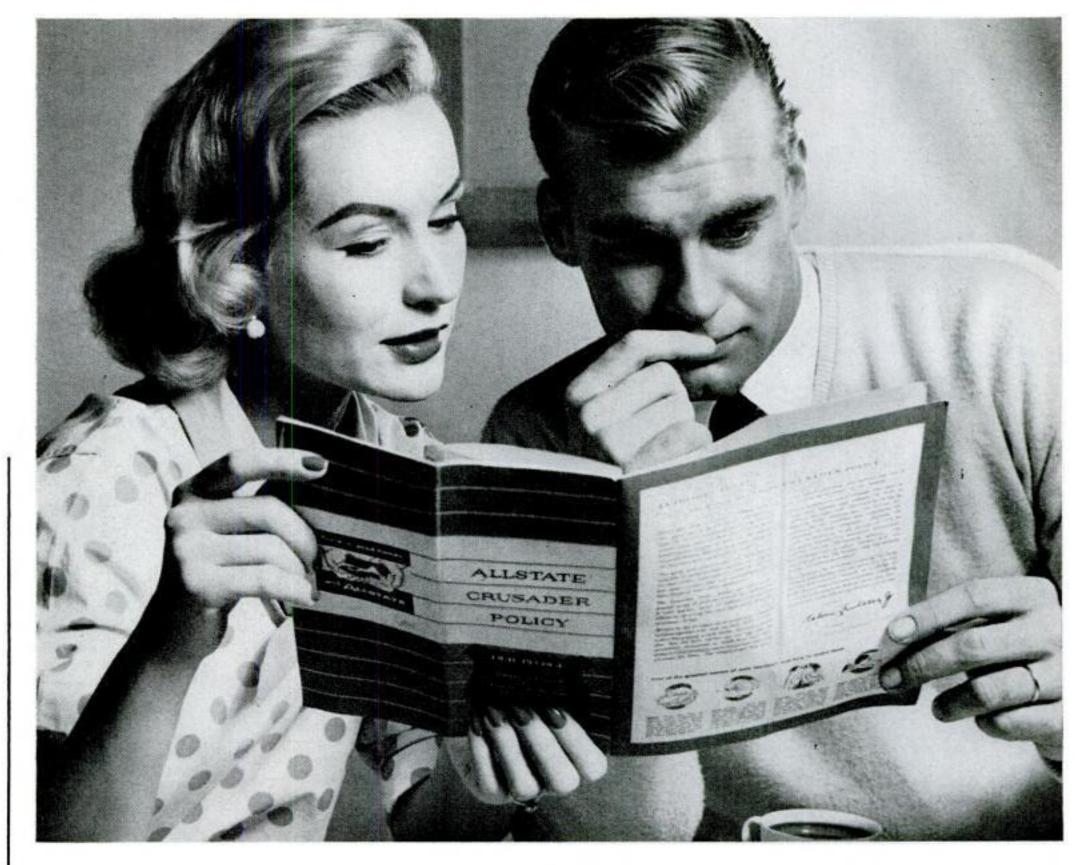
Are you paying more than you want to for auto insurance?

Then don't lose another day in getting the money-saving facts about Allstate auto insurance. Allstate, you see, has eliminated horse-and-buggy methods. Savings are passed on to you.

Savings of 20% are common. How much you save depends on the state where you live and how your car is used. Savings often come to more than 20%, and some folks save as much as 38% over rates of most other companies. (Texans have standard rates, but eligible policyholders have always saved through dividends.)

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"May we help you?" This is how you will be greeted when you call Allstate. And, as more than four million Allstate policyholders know, these words are more than just a friendly greeting. They reflect our attitude toward all of our customers all of the time. Why not call Allstate today? Remember, until you have the Allstate facts, you don't have all the facts about auto insurance.

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with independent
assets and liabilities.
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AUTO . FIRE . HOMEOWNERS . THEFT . FAMILY LIABILITY



## A TRULY LIVE TV SHOW

When Paul Lawrence of Glendale, N.Y. took the insides out of his TV set to paint the cabinet, he naturally expected to get no entertainment out of the set until the job was done. He reckoned without his 2-year-old son Mark. An ardent TV watcher, Mark was appalled when he opened the set's doors and found the tube gone. He went around to the back of the set to investigate and climbed up into the cabinet. Then he called out, "Daddy, Daddy," and, flinging open the doors of the cabinet, revealed the livest TV show his father had ever seen.



## MAKING HAPPY MUSIC TOGETHER



You're giving a "play it yourself" music party. It's good fun.

Everyone performs while your tape recorder listens merrily to it all.



2 Between numbers, you slip out to arrange the refreshments. Tasteful party snacks and, naturally, ice-cold Coca-Cola.



3. Stop the music! Pause . . . enjoy that cold crisp taste . . . the cheerful lift of Coke. Coca-Cola always tastes so good . . . and is always in such good taste, too.



4. Best fun of all—when your tape recorder plays back. They listen . . . they laugh . . . they love it! Coke and fun . . . Coke and good taste go so well together.

### SIGN OF GOOD TASTE Coca Colla

